

AMERICAN NURSERYMAN

AMERICAN NURSERY TRADE BULLETIN

Chief Exponent of the American Nursery Trade

Vol. LIII No. 5

MARCH 1, 1931

Per Copy 20c

Signs of Spring

UNIVERSITY OF CALIFORNIA
LIBRARY
BRANCH OF THE
COLLEGE OF AGRICULTURE

MARCH
1931

Early birds are twittering. The weather has been mild. Carloads are moving. **BUSINESS IS ON!**

This "sign" is known at every crossroads. It stands for something well worth while. The retail trade respect it.

Back of it in support, are over 1500 home acres; teeming with quality stock for Nurserymen's, Florists' and Seedsmen's supply.

Bulletin No. 1 (56 pages) is still active. Ask it.

TREES

Complete standard varieties—and novelties. **FRUIT** (and Small Fruits.)

DECIDUOUS TREES & SHRUBS

EVERGREEN TREES & SHRUBS

FIELD GROWN

★ **ROSES** ★

PLANTS

HARDY PERENNIALS in extensive variety for Borders, General and Rock Gardens. **ANNUALS** from Pots for summer bedding (booking reservations now for May delivery.) **HOUSE PLANTS**, Box and Vase Vines.

77 YEARS
at
Painesville
Lake County,
Ohio—
The
Garden Center
of the
U. S. A.

SEEDS

Full line—top grade **VEGETABLES, FLOWERS** and **FIELD**. 1931 demand is going to be unusually heavy.

BULBS

Begonias, Cannas, Dahlias, Gladioli, Gloxinias, etc.




39 STATE ST.

ROCHESTER, N. Y.

American Fruits Publishing Co.

*"New York
State Grown"*



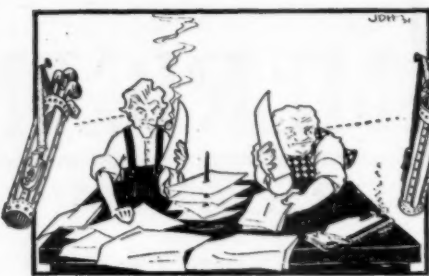
Nursery Stock

Fruits
Ornamentals
Roses
Evergreens

Send for
Price List

W. & T. Smith Co.
Geneva, N.Y.
Organized in 1846
1000 Acres
in 1928

The Preferred Stock



Business or Pleasure

If pleasure interferes with business, make business a pleasure. You can do that with specials like these!

Beauty Bush	Flowering Crab
Cotoneaster Horizontalis	Flowering Cherry
Daphne Cneorum	Red Barberry
Korean Spirea	

Bulletin number 5 is chuck full of super values, including French Lilacs, Japan Quince, Hydrangea Pee Gee, Cut-leaf Weeping Birch, Cornus Florida Rubra, Paul's Scarlet Thorn, Climbing Roses, Hybrid Tea Roses, Phlox and a complete general list. Send for it.

Yours for pleasurable business,
JACK & PERK

Jackson & Perkins Company
Wholesale Only
Newark, New York.

Write for Samples and Price List

SAXOLIN

**DUPLEX
CRINKLED**

COSTS
LESS THAN
BURLAP

MAKES
CLEAN - NEAT
BUNDLES

DOES A
BETTER JOB

KEEPS THE
MOISTURE IN



We will send full size working samples that will prove in your own shipping room that **SAXOLIN** is superior to any other wrapper for retaining dirt and moisture around the roots and delivering a clean, attractive package.

SAXOLIN is two sheets of kraft paper cemented with asphalt filler and crinkled to stretch and conform to shape of bundle.

It's waterproof—tough and easy to handle.

If you are using any special size material for wrapping tell us the size and we will send samples. Try **SAXOLIN** now and be ready for your next shipping season.

CHASE BAG Co.
Specialty Dept. •• Cleveland, Ohio

"WORTH FIVE TIMES ITS COST"
—that's what grateful users say.

REPAIRS
ALWAYS
ON HAND



THE BRAGG TREE DIGGER
Write for Catalog and Price List
SERGEANT TREE DIGGER CO.
112 W. South St. KALAMAZOO, MICH.

PEAT MOSS

THE BIG BALE

20 bushels finely granulated high quality peat moss.

ATKINS & DURBROW, Inc.,
29-A Burling Slip,
New York N. Y.



THIS PAGE REPRESENTS

American Nurseryman Directory of American Plant Propagators

Listing Nursery Concerns Which Specialize in Production of Young Stock
Including That Which Has Heretofore Been Imported

The American Plant Propagators' Association, Organized in 1910, Will Hold Its Thirteenth Annual Meeting
in Detroit, Mich., July, 1931—H. L. Haupt, Secretary, Hatboro, Pa.

TWO-INCH BLOCKS ONLY ARE SOLD IN THIS DIRECTORY, UNDER YEARLY CONTRACT

Broad Leaf Evergreens

RARE AND CHOICE CONIFERAE
AZALEAS (Evergreen and Deciduous)
RHODODENDRON HYBRIDS
POT GROWN VINES & CLIMBERS

We produce the greatest variety of
Herbaceous Plants and Field Grown
ROSES in America. Ask for our
wholesale lists.

BOBBINK & ATKINS
Rutherford, New Jersey

Like Diamonds
NEW ROSES
Sparkle and Attract Trade
Send for special folder
THE
CONARD-PYLE
CO.
West Grove,
Pa.

Specialists
34 years

Robert Pyle
President

Choice Broad-leaved and Coniferous

EVERGREENS

in Lining Out and Specimen Sizes

Write for wholesale catalogue and
list of rooted cuttings.

T. KIYONO
CRICHTON, ALABAMA

Scotch Grove Nursery

Growers of

EVERGREENS

For

Lining Out

GOOD ASSORTMENT
STANDARD SORTS

Price List on Request—Established 1871

SCOTCH GROVE, IOWA

**EVERGREEN TREES**

For Ornamental or Forest Planting

Trees of known quality; raised from SEED at
our Nurseries under personal supervision, based
on 20 years' experience. All varieties. Size
range from seedlings, thru 3, 4 or 5 year trans-
plants, up to 20 feet tall. Prices astonishingly
reasonable. Write for Catalog and know about
our guarantee.

FRANKLIN FORESTRY CO.

89 STATE ST. BOSTON, MASS.

NURSERIES AT COLRAIN - SUDBURY - PLYMOUTH

NAPERVILLE NURSERIES

Headquarters for

LINING OUT STOCK

Large Assortment

WELL GROWN—NONE BETTER

See Our Lists Before Buying

NAPERVILLE DuPage County ILLINOIS

LINING OUT STOCK**EVERGREENS
TREES
SHRUBS**

Send for our price list of
HARDY NATIVE TREES, SHRUBS,
and PLANTS

L. E. WILLIAMS NURSERY CO.
Exeter, N. H.

**FERNDALE NURSERY**

Ludvig Mosback, Askov, Minn.

7,000,000 Northern Minne-
sota Grown Seedlings and
Transplants up to 8 feet.
Grown without artificial
watering on 60 acres.

	100	1000
Norway Spruce, 8-12" S.....	\$2.00	\$15.00
Norway Spruce, 4-6" T.....	3.00	20.00
White Spruce, 6-8" S.....	1.50	8.00
Colorado Blue Spruce, from hand-picked seed from Select specimens, 6-8" S....	3.50	25.00
Black Hills Spruce, 3-6" S....	3.00	20.00
Chinese Elm, 18-24" T.....	3.00	25.00

Write for complete Trade List of Hardy
Outdoor Ferns, Rock Garden Plants and
Wild Flowers.

Cuthbert

RASPBERRY PLANTS

Strictly mosaic-free plants suit-
able for foundation stock. Have
passed three inspections this
year.

GEORGE D. AIKEN
PUTNEY, VERMONT

WE HAVE THEM

You May Want Some

Norway, Sycamore and Silver
Maples; Pin, Red, Mossy Cup,
Catesbaei and Willow Oakes.

Butterfly Bush, Dogwoods, Deut-
zias, Forsythia, Spireas, etc.

Our Trade List is ready.

Get next to one.

Atlantic Nursery Co.
BERLIN, MARYLAND

IF YOU GROW**Lining-Out Stock**

You should be represented
in this department regularly.

Write for advertising rate

AMERICAN NURSERYMAN
Chief Exponent of the Trade

EVERGREENS

SEEDLINGS and TRANSPLANTS

FOR LINING OUT

Write for Our Price List

THE NORTH-EASTERN FORESTRY CO.

"We Grow Our Own Trees"

CHESHIRE, CONNECTICUT

WE SUGGEST RESERVATION OF ADVERTISING SPACE NOW
FOR THE COMING ACTIVE MONTHS

In **The American Nurseryman** Chief Exponent of the
American Nursery Trade

Exclusively for the Nursery Trade and Allied Interests

Logical Medium for Inter-Trade Communication

National and International Circulation

AMERICAN FRUITS PUBLISHING COMPANY, INC.

39 State St., Rochester, N. Y.

Just published : : : : :

**AZALEAS and
CAMELLIAS**

: : : : : a new book

By H. H. Hume

INTEREST in both Azaleas and Camellias as garden shrubs has developed faster than in any other similar group of plants. New varieties have been developed, and the natural zones for their cultivation have been gradually pushed back. This is the only book available on their varieties, care, and culture. It will be particularly useful as a practical reference because it has been written from the author's long and careful observation and experience, with advice from experts in all the various Azalea and Camellia zones.

CONTENTS

Adaptability and Value—Descriptions of Azalea Species and Varieties—Descriptions of Camellia Varieties—Propagation—Where to Grow—Uses in the Garden—Soils and Their Preparation—Planting—Cultivation and Care—Feeding—Growing in Pots and Tubs—Pests and Troubles.

Jacket in color; 1 color plate;
13 halftones; 99 pages; cloth.
\$1.65 Postpaid

For Sale By
AMERICAN FRUITS PUB'G. CO., INC.
P. O. Box 124, Rochester, N. Y.

**Opportunities
offered YOU
in this new,
practical book**

1. Help in making these splendid shrubs popular where they have not been grown before.
2. Aid in increasing the size, number and variety of plantings where they are already popular.
3. Describes new varieties which can be more widely grown.
4. Tells how to propagate, plant, cultivate, and care for both Azaleas and Camellias.
5. Supplies useful information on tub and indoor culture.

**We Will Mail
TRADE CIRCULARS
PRINTED MATTER**Addressed to
"AMERICAN NURSERYMAN" LISTS**Your Mailing Problem Solved**

The AMERICAN NURSERYMAN mailing lists are declared to be the most accurate in existence—the result of years of compilation and hourly revision to keep them up to date. Directory lists are necessarily incomplete and out of date. They are postage-killers.

A SUPERIOR DIRECTORY SERVICE

Send us your Trade Circulars, Price Lists, Bulletins, etc., for mailing out to our comprehensive lists of Nurserymen of U. S. and Canada, in any lots from 1,000 to 5,000 in certain states or sections if desired, at following rates:

	Per M
Lists rental	\$4.00
Addressing	3.50
Folding per fold .....	.75
Stamping	1.00
Mailing* (single inclosure)	2.00

(Each additional inclosure \$1 per M)
Cash in advance required for postage stamps or other material supplied by us

*Special Mailing Charge—In cases where extra labor is required in order to conform to special government postal laws and regulations (Section 435½ P. L. & R.) as to sorting, etc.—\$2.00 per M extra.

Matter may be sent to us folded; Government stamped envelopes may be used; thus eliminating folding and stamping costs at this end.

Exclusive, Comprehensive Lists. Time-Saving. Your Mailing Problem Solved.

AMERICAN FRUITS PUB'G. CO.
P. O. Box 124 Rochester, N. Y.

GET YOUR COPY!

Of our big 32-page Winter Bulletin of
**FRUIT TREES, SMALL FRUITS, SHADE TREES, SHRUBS, EVERGREENS,
PRIVET, VINES, ROSES, PERENNIALS, BULBS, and SUPPLIES**

We have what you want.

WHOLESALE NURSERYMEN SINCE 1872

THE WILLIS NURSERY CO. Ottawa, Kansas

LABELS FOR NURSERYMEN

THE BENJAMIN CHASE COMPANY
DERRY, N. H.



**Japanese Roseflowering and Weeping
Cherries, Flowering Crabs**
All Sizes

A. E. WOHLERT, Narberth, Pa.

**WATERLILIES
and Water Plants**

Newer and better varieties are now available in quantities for natural ponds and garden pools. Plants are first-quality, grown in our own pond (no collected plants offered). Spring price list sent on request.

FANCY FISH

Shubunkins, Fantails, Nymphs, Veiltails, and Common Goldfish, are also listed in our spring pricelist.

OUR PRICELIST MAILED FREE
to all interested in Waterlilies, Aquatic Plants, and Fancy Fish. Send for a copy.

**BUSKIRK'S
INDEPENDENCE NURSERIES**
Box 35, Independence, Ohio

E

E-Z Plant Markers made of galvanized spring steel wire in 18" & 24" length, using our Waterproof tree label, which may be marked with Higgins Waterproof Ink.
\$3.75 per 100, \$25.00 per 1000.
Free samples of each.

Z

OHIO NURSERY
ELYRIA, OHIO

**PECAN
TREES**

CAR LOTS our specialty, but we accept orders from nurserymen for any number of trees.

Simpson Nursery Co.
Monticello, Fla. Established 1902

THIS SIZE SPACE
\$1.40 Per Issue
Under Yearly Term \$1.25

**SEEDLINGS
Clean Coast Grown**

We are now ready to book your Seedling orders for

APPLE—Straight or Branched
CHERRY—Mazzard or Mahaleb
PEAR—French, Ussuriensis or Winter Nelis
PLUM—Myrobalan
ASH—European Mountain
BIRCH—European White
ELM—Chinese or Siberian
HAWTHORNE—Crataegus oxyacantha
MAPLE—Norway

Order now and make sure of your supply

**GENERAL NURSERY STOCK
AND NURSERY SUPPLIES**

**Portland Wholesale
Nursery Company**

424 E. ALDER ST.

Portland Oregon

TREE SEED

BEST QUALITY LOWEST PRICES
I can supply of the fresh new crop:
CEDRUS ATLANTICA, C. DEODARA, C. LIBANI, CUPRESSUS, JUNIPERUS, PINUS, TAXODIUM, TAXUS and other seeds of **CONIFERS, TREES, SHRUBS, and EVERGREENS.**

Before placing your orders for **TREE SEED**, ask my price list, mailed upon request.

Orders promptly and carefully filled.

ARTURO ANSALONI

17918 Via Maggiore

BOLOGNA,

ITALY

AMERICAN NURSERYMAN — March 1, 1931

EDITORIAL DEPARTMENT—Communications on any subject connected with Commercial Horticulture, Nurseries or Arboriculture are cordially invited by the Editor; also articles on these subjects and papers prepared for conventions of Nursery or Horticultural associations. We also shall be pleased to reproduce engravings relating to these topics, Orchard Scenes, Cold Storage Houses, Office Buildings, Fields of Stock, Specimen Trees and Plants, Portraits of Individuals, etc. Engravings will be made from photographs at cost.

Advertising—Last forms close (semi-monthly) on the 10th and 25th of each month. If proofs are wanted, copy should be on hand one week earlier.

"AMERICAN NURSERYMAN" is distinctive in that it reaches an exceptional list and covers the field of the business man engaged in Commercial Horticulture—the carlot operator. Here is concentrated class circulation of high character—the Trade Journal of Commercial Horticulture, quality rather than quantity.

"AMERICAN NURSERYMAN" will not accept advertisements that do not represent reliable concerns.

SUBSCRIPTIONS—"AMERICAN NURSERYMAN," published semi-monthly, on 1st and 15th, will be sent to any address in the United States for \$2.50 a year; to Canada or abroad for \$3.00 a year. Single copies of current volume, 20c; of previous volumes, 25c.

RALPH T. OLCOTT
Editor, Manager.

AMERICAN FRUITS PUBLISHING COMPANY, INC.

39 State Street,
Rochester, N. Y.

WHAT THIS MAGAZINE STANDS FOR—Clean chronicle of commercial news of the Planting Field and Nursery. An honest, fearless policy in harmony with the growing ethics of modern business methods.

Cooperation rather than competition and the encouragement of all that makes for the welfare of the trade and of each of its units.

Wholesome, clean-cut, ring true independence.
INDEPENDENT AND FEARLESS—"AMERICAN NURSERYMAN" makes no distinction in favor of any. It is untrammelled in its absolutely independent position and rates the welfare of the Nursery Trade above every other consideration.

This Magazine has no connection whatever with a particular enterprise. Absolutely unbiased and independent in all its dealings.

Though it happens that its place of publication is in the eastern section of the country, it is thoroughly National in its character and International in its circulation.

Its news and advertising columns bristle with announcements from every news corner of the Continent.

It represents the results of American industry in one of the greatest callings—Commercial Horticulture in all its phases of Nursery Stock, Orchard and Landscape Planting and Distribution.

Classified Business Announcements In Current Issue

AN INDEX OF CURRENT WANTS AND OFFERINGS IN THE NURSERY TRADE

Aiken, George D.....	Cuthbert Raspberry Plants.....	95	Leonard & Son, A. M.....	Nursery Tools	105
American Bulb Company....	Dutch Bulbs, Etc.....	109	Linville Nurseries	Rhododendrons, Etc.	105
American Forestry Co.....	Ornamental Trees, Shrubs.....	104	Long, Frank G.....	Norway Maple	110
American Landscape School.	Landscape Architecture	109	Little Tree Farms.....	White Fir, Etc.....	105
Andrews Nursery Co.....	Chief Raspberry	108	Lovett, Lester C.....	Privet and Berberis.....	107
Ansaloni, Arturo	Tree Seeds	96	Monroe Nursery	Fruits and Ornamentals.....	111
Atkins & Durbrow, Inc.....	Peat Moss	94	Mosback, Ludwig	Evergreen Seedlings, Transplants.	95
Atlantic Nursery Co.....	General Nursery Stock.....	95	Mountain View Floral Co....	Portland Roses, Peonies, Etc.....	107
Bernardin, E. P.....	General Nursery Stock.....	105	Mt. Hope Nurseries.....	Chinese Elm	107
Bernards Nursery	Birch Trees	106	Naperville Nurseries	Lining-out Stock	95
Bobbink & Atkins.....	Broadleaf Evergreens, Etc.....	95	National	Printing of All Kinds.....	110
Bridgeport Nursery	General Nursery Stock.....	98	Norris, J. F.....	Evergreens	105
Bristol, H. R.....	Trees	108	Northeastern Forestry Co...	Lining-out Evergreens	95
Brown Co.	Tested Tree Seed.....	104	Norton, A. L.....	Pin Oak Seedlings.....	105
Burr & Company, C. R.....	General Nursery Stock.....	108	Ohio Nursery Company.....	E-Z Plant Markers.....	96
Byrd Nurseries	General Nursery Stock.....	105	Ohio Nursery Company.....	Wireless Paper Labels.....	108
Canterbury Nurseries	Boxwood	107	Ottawa Star Nurseries.....	General Nursery Stock.....	109
Champion, & Son, H. J.....	General Nursery Stock.....	108	Painesville Nurseries	General Nursery Stock.....	93
Chase Bag Co.....	Saxolin	94	Parsons Wholesale Nurseries.	General Nursery Stock.....	105
Chase Company, Benjamin...	Nursery Labels	96	Pfund-Bell Nursery Co.....	Elm Trees	109
Cole Nursery Co.....	Hardy Nursery Stock.....	107	Pitts Studios	Cuts for Catalogues.....	105
Conard-Pyle Company	New Roses	95	Portland Wholesale N. Co...	Seedlings	96
Concord Nurseries	Evergreen Trees	106	Princeton Nurseries	General Nursery Stock.....	107
Concord Nursery	Lining-out Evergreens	104	Process Color Printing Co...	Loose-leaf Plate Book.....	109
Coniglsky, B. F.....	Color Photographs	105	Rambo's Wholesale Nursery.	Small Fruit Plants.....	108
Danube Farms	Strawberries, Evergreens, Etc.....	109	Ramsey & Co., L. W.....	Catalogue Printers	105
DIRECTORY	Growers of Young Stock.....	95	Reed & Son, W. S.....	Cherry	98
Dreer, Henry A.....	Japanese Azaleas	109	Rocky Mt. Evergreen Nur. Co.	Evergreen Seed	109
Evergreen Nursery Co.....	Evergreens	110	Scarff's Sons Co., W. N.....	Small Fruit Plants.....	109
"Exploring for Plants".....	With Dr. David Fairchild.....	111	Schifferli Nurseries, F. E...	Grape Vines, Currants, Etc.....	105
F. & F. Nurseries.....	Special Announcement	101	Scotch Grove Nursery.....	Lining-out Evergreens	95
Fairview Evergreen Nurs...	Mugho Pine	106	Simpson Nursery Co.....	Pecan Trees	96
Field Bros.	Sphagnum Moss	110	Skinner & Co., J. H.....	Fruit Trees, Etc.....	107
Ferndale Nursery	Evergreens	95	Stainer, Jul.	Fruit Tree Seeds.....	107
Fleu, Jr., Conyers B.....	Tree Seeds	105	Stevens, George	Hardwood Ashes	110
Franklin Forestry Co.....	Evergreen Trees	95	Storrs & Harrison Co.....	General Nursery Stock.....	93
Garden Nurseries	Flowering Cherries and Crab.....	96	S-W Supply Co.....	Nursery Markers	108
Geraghty & Son, John.....	Fruit Trees and Roses.....	104	Sergeant Tree Digger Co....	Bragg Diggers	94
Glen St. Mary Nurseries....	Special Announcement	104	Shute & Co., E. L.....	Peat Moss	105
Herbst Bros.	Tree and Shrub Seeds.....	105	Smith Co., W. & T.....	General Nursery Stock.....	94
Hill Nursery Co., D.....	Evergreen Specialists	112	Wayside Gardens Co.....	Hardy Perennial Plants.....	111
Hobbs & Sons, C. M.....	General Nursery Stock.....	98	Westcott Nursery Co.....	Evergreens, Shrubs, Trees.....	108
Hogansville, Ga., Nurs...	Peach Pits	108	Westcroft, Gardens	Perennial and Alpine Plants.....	108
Home Nursery Co.....	Chinese Elms	108	Western Stoneware Co.....	Garden Pottery, Flower Pots.....	111
Horticultural Advertiser ..	Trade Paper	107	Westminster Nursery	Privet, Evergreens, Etc.....	110
Hortus	Last Word on Plants.....	106	Whiteside Chinese Elm Farm.	Ulmus Pumila	104
Howard-Hickory Co.	Peach Pits	108	Williams Nur. Co., L. E...	Lining-out Stock	95
Howard Rose Co.....	Roses	107	Willis Nursery Co.....	General Nursery Stock.....	96
Huntville Wholesale Nurs...	General Nursery Stock.....	111	Wohlert, A. E.....	Flowering Cherries and Crabs.....	96
Ilgenfritz' Sons Co., I. E...	Fruits and Ornamentals.....	111	Yoho & Hooker Youngstown Co.	Hot Bed Sash.....	111
Independence Nurseries ..	Water Lilies, Water Plants.....	96	Youngstown Nurseries	Rosa Multiflora Jap Seedlings.....	108
Jackson & Perkins.....	General Nursery Stock.....	94			
Kelsey, Inc., Harlan P.....	Evergreens, Shrubs, Etc.....	98			
Kelsey Nursery Service....	Lining Out Stock.....	109			
Kiyono, T.	Evergreens	95			



CAROLINA HEMLOCK (*Tsuga caroliniana*)

Its dense, dark foliage, sweeping semi-pendulous branches and eventually pyramidal form, combine to give a charm not found in any other evergreen known to cultivation.

Announcement

HARLAN P. KELSEY, Inc.

Kelsey-Highlands Nursery

EAST BOXFORD, MASSACHUSETTS

Incorporated January 26, 1931,
under the laws of the Commonwealth of Massachusetts

HARLAN P. KELSEY, President and Treasurer

Harlan P. Kelsey, Jr.,
Vice-President and
General Manager

Seth L. Kelsey,
Vice-President
Landscape Department

Abbie C. King,
Corporation Clerk
and Secretary

James Geronetti,
Nursery Superintendent

We have many very fine items to offer To The Trade. Write for our Special Trade List Number 6. In this you will find listed—Evergreens, Broadleaf Evergreens and Deciduous Trees and Shrubs—of unusual value.

We have many other items that are not in this list. Send us your Want Lists and we will gladly quote you by return mail.

Harlan P. Kelsey, Inc., issues a cordial invitation To The Trade to visit Kelsey-Highlands Nursery.

YOU ARE ALWAYS WELCOME

SPRING-1931

We offer a general line of hardy
Northern Grown Nursery Stock

A few Specials in Carload lots

CHERRY—1 & 2 year

APPLE—2 & 3 year

PEACH—1 year

BARBERRY—12/18-18/24-2/3

SPIREA V. H.—2/3-3/4-4/5

HONEYSUCKLE BUSH in variety—3/4-4/5-5/6

ELM AMERICAN—up to 2½ inches

ELM AMERICAN (Budded)—up to 2½ inches

ELM MOLINE—up to 2½ inches

These American Elm budded and Moline have been given extra space in the row and were transplanted four years ago. A fine select lot of trees perfectly straight.

NORWAY MAPLE—up to 1½ inch

SOFT MAPLE—up to 3½ inches

C. M. HOBBS & SONS
BRIDGEPORT, INDIANA

Established 1875
LARGEST NURSERY IN INDIANA

SPRING---1931

W. C. REED & SON,
Vincennes, Indiana

OFFER THE FOLLOWING

CHERRY—One Year on Mahaleb

	11/16	9/16	7/16	5/16	2-3
Early Richmond	1000	630	1105	325	200
Montmorency	10515	8870	6590	1530	1125
Farnsworth Monts ...	1505	1505	.....	.....	.....
English Morello	196	256	780	.....	.....
Wragg	1000	226	775	10	10
May Duke	357	135	103	25	17
Royal Duke	445	175	144	16	10
Schmidts .....	.....	.....	70	30	.....
Bing	100	.....	80	44	8
Lambert	355	110	80	62	13
Windsor .....	.....	.....	30	24	10
Governor Wood	425	80	60	27	10
Tartarian	472	.....	65	28	10
Napoleon	9	.....	40	37	18

CHERRY—One Year on Mazzard

	11/16	9/16	7/16	5/16
Lambert	134	37	20	10
Schmidts	494	47	40	50
Bing	557	69	30	10
102 Japanese Pink Double Flowering Cherry, 4-6 ft.				
50 Japanese Pink Double Flowering Cherry, 4-5 ft.				
30 Japanese Pink Double Flowering Cherry, 3-4 ft.				

Please Submit List of Wants for Prices
ROOT SYSTEM SPLENDID

AMERICAN NURSERYMAN

[Reg. U. S. Pat. Off.]

The Chief Exponent of the American Nursery Trade National Journal of Commercial Horticulture

Entered September 6, 1916, at Rochester, N. Y., Post Office as second-class mail matter

WITHOUT OR WITH OFFENSE TO FRIENDS OR FOES, I SKETCH YOUR WORLD EXACTLY AS IT GOES—BYRON

Vol. LIII

ROCHESTER, N. Y., MARCH 1, 1931

No. 5

For a National Retail Trade Association

Proposition by Hanson and McKay Unanimously Indorsed by Wisconsin Nurserymen's Association in Convention—Weaknesses in Present Retail System

The convention of the Wisconsin Nurserymen's Association can well be termed the best the association has held. Many outstanding problems of the industry were discussed pro and con and valuable ideas relative to future policies of the industry were formulated.

One of the outstanding problems which met the unanimous indorsement of every member in attendance was the organization of a National Retail Nurserymen's Association, membership of which is limited exclusively to retailers with a purpose to protect this part of the industry. Mayor Hanson, vice-president of the Hawks Nursery Co., Wauwatosa and W. G. McKay, president of the McKay Nursery Co., Madison, were the two men who strongly sponsored this movement on the part of the retailers.

M. W. Torkelson, director of regional planting, Wisconsin Highway Commission, presented an interesting paper on roadside planting. He brought out some fine ideas relative to the future policies of the State Highway Commission in handling roadside planting so as to protect same against future destruction.

Paul D. Kelliter, director of state conservation, gave an interesting talk on reforestation in Wisconsin, the future policies that the department intends to pursue and the determination to know that all plant materials supplied for reforestation in Wisconsin be used for that purpose exclusively.

Mayor Hanson ably discussed the subject of Nursery problems, especially in regard to the retail business, pointing out weaknesses in the retail Nursery system and suggesting ideas which he believed would overcome the difficulties. Mr. Hanson declared that the wholesaler, on account of the fact that so many representatives are on the road today, has invaded the retailer's field and that in the end, unless this invasion is curtailed, serious trouble will result.

Professor E. L. Chambers, state entomologist, discussed some of the new insect pests and the control of same and brought out other valuable suggestions that the department of industry is thinking about. One is that the department furnish to every Nurseryman in the state a spray calendar and instructions for spray application, to be printed on a tag and attached to every bundle of fruit trees shipped out from any Wisconsin Nursery. Mr. Chambers put into effect last year a red spider control tag which every Nurseryman attached to shipments of evergreens. This met with such excellent response on the part of the planter

that Mr. Chambers considered a spray calendar would assist the Wisconsin planter in growing good fruit.

The Wisconsin Horticultural Society was represented by H. J. Rahmlow, secretary, Madison, Wis., who brought out valuable ideas relative to plant testing and the co-operation of the horticultural society to carry out this work. He proposed that a list of new plant materials be dealt with each year by a joint committee of the Wisconsin Nurserymen's Association and the Wisconsin Horticultural Society and sent out to certain members of the horticultural society for testing.

The convention was also honored with an excellent paper by Mrs. William Bowers, president of the Federated Garden Clubs of Wisconsin, her subject being "Cooperation Between Nurserymen and Garden Clubs." She dealt with this subject ably and brought out the fact that the real garden clubs are directly dependent upon the Nurseries for a dependable source of materials.

C. B. Whitnall, of the Milwaukee County Planting Commission, brought out a new idea which met with the unanimous indorsement of the association and that is to convert all of our river courses into parkways, preserving the water supply as well as making the Wisconsin countryside a more congenial place in which to live. He predicts that 30 to 40 years hence all our river courses between cities will be parkways. Beautiful drives will be planted and the countryside will become the abode of a great many city people who in the past have never known the beauties of nature.

The last number on the program was handled by a member, James Livingston, Holten and Hunkel Floral Co., who gave interesting and picturesque travel lectures upon his return trip to Scotland last year. Mr. Livingston is one of our most widely known horticulturists. At present he is serving on the board of directors of the Wisconsin Nurserymen's Association. Mr. Livingston was born in Scotland and of course has a thorough understanding of Scotch gardens and landscape designs.

Officers elected: President, E. H. Niles, Hartland; vice-president, L. J. Baker, Fond du Lac; secy.-treas., M. C. Hepler, Pardeeville. Directors, Chas. N. Hawks, Jr., Wauwatosa; James Livingston, Milwaukee, Carl Gerlach, Milwaukee.

M. C. HEPLER

Horticultural Census—Progress on this subject is reported; but as was feared, replies to questionnaires (46,318 out of 85,000—54%) have not been sufficient to give the approximately complete results desired, as reported by the S. A. F. & O. H. committee. Further consideration is to be given to the data received.

Michigan Association Officers

Officers elected: President, Martin Friszel, Muskegon; vice-president, James Ilgenfritz, Monroe; secy.-treas., N. S. W. Kriek, Lansing.

L. C. Lovett is the Man

Who Sold to Senator Townsend the Plant Patent Idea Resulting in the Law

In the course of remarks by M. Q. MacDonald at the convention of the Eastern Nurserymen's Association, Newark, N. J., he said:

"That the Townsend-Purnell Plant Patent Law is on the books today is due very largely to one of the members of the Eastern Nurserymen's Association—Mr. Lester Lovett. It was he who sold the idea to Senator Townsend. It is true that our success in the House was due to Mr. Purnell of Indiana, but without the approval of the Senate, the action of the House would have been of no avail. Senator Townsend and Mr. Purnell were much like a bow and string—each would have been useless without the other. Mr. Lovett has been very modest about the part he took in this matter and he is prone to belittle the importance of his contribution. Perhaps it is for that reason that I have enjoyed smoking him out.

"The broad outlines of the law are doubtless known to all of you. The fundamental reasons for the bill seem to have appealed to everyone. It is interesting to recall that when the argument was advanced a plant breeder who spends perhaps years of his life in developing a new plant, perhaps of inestimable value to mankind, should be entitled to the same protection that has been given for a century to the inventors of safety pins and mechanical toys, the answer was almost invariably given in the same words: "Well, why not!" Why not, indeed!

"It is interesting to recall that the bill was reported out of both the House and Senate committees, and was passed by the House and by the Senate, without one dissenting vote, and that only six months elapsed between the introduction of the bill and its approval by the President. This was an almost unparalleled achievement.

"Buy From the Home Folks"—Says Paul H. Millar, chief inspector, Arkansas State Plant Board: "A large Nursery is like a factory, giving employment to dozens or hundreds of people. When orders are diverted to the other states business becomes poor and some of the workers lose their jobs. The same man who wants to lynch a contractor who brings in outside labor will buy his fruit trees by mail from Georgia or Tennessee and never bat an eye; but the principle is just the same. Buy your plants from the home folks."

"If I Were Selling Fruit Trees" Says Speer

"I Would Make a Careful Study of the Fruit Industry Looking Toward Greater Outlets for Nursery Products"—Central Northern States Advantages Cited

At the annual convention of the Northern Retail Nurserymen's Association in Minneapolis Ray P. Speer gave an interesting talk on "If I Were Selling Fruit Trees." He demonstrated a salesman canvass with the help of Mr. Carmen who took the part of the farmer. It was interesting, entertaining and enlightening. Mr. Speer spoke about fruit growing from the standpoint of a grower. He told of how fruits have ceased to be a luxury and have become a necessity. 700 carloads of Pacific Coast plums are sent into this territory yearly as well as apples and many other fruits, demonstrating that we have a very good market already established. The home products being on a par in quality, will compete successfully with the shipped fruits if they are properly marketed. He mentioned varieties best suited for the local market emphasizing the McIntosh apple. He also stressed the fact that many old home orchards were not properly taken care of and should be replaced. With this situation and an increasing population the prospect for the fruit industry is very promising. Weather as a controlling factor can be overcome easier than in the Yakima Valley or western states where they have to go through prolonged periods of cold weather conditions. Mr. Speer suggested that a careful study of the fruit industry be given by the Nurserymen looking toward greater outlets for their products.

Entirely Different Service Needed

E. C. Hilborn talked on "The Swing of the Pendulum." He sketched the present depression and compared it with former depressions of like nature. He held hope for a speedy recovery. He stressed the need of increased efforts to build toward the better times that are coming. Due to the drop in home building he expressed the opinion that possibly the Nursery industry would not recover as quickly as other industries. Home building averages having dropped 30% in 1929, 40% in 1930 and would probably not increase in 1931. However, he stated the underproduction is just as dangerous in the Nursery business as overproduction, due to the length of time required to grow our product. He suggested a balanced study with a definite program. Mr. Hilborn pointed out that the farm furnished a tremendous outlet for fruits, ornamentals and shelter belt sales, but that an entirely different service would have to be rendered. He urged a careful analysis of our own business and an attempt to foretell the markets, also to meet the demands of the keen interest on the part of the public.

Dr. R. B. Harvey talked on "Hardiness in Stock and Scion." Describing his experience with his own orchard he stated trees differ in their ability to become hardy—this ability being inherited; that the scion is influenced by the root, and that both influence each other in regard to hardiness. He stated hardiness could be measured best by so-called test winters which appeared with some regularity at intervals of about eleven years. Fall conditions have a great effect on hardiness of all trees. Maturity of a tree is indicated by a change in starch into either sugars or oils, a chemical change that forms a wall to withstand the cold. Soil conditions and conditions of nutrition have a great influence on hardiness. The use of white paint indicates a tendency to prevent sunscald. The paint to be applied should be "titanic white" which would not fade to a gray color.

Mr. Harvey also cited an excellent spray to use on trees to prevent rabbit injury. It consists of a mixture of linseed oil boiled to temperature of 450°F. Then add 10% of its weight slowly a tablespoon at a time of powdered sulphur. The container should be four or five times the size of the original volume of oil to allow for foaming when the sulphur is added. When cool dilute with turpentine and spray on the trees, using an oil spray pump. Mr. Harvey stated that in

general trees grown in the north are better suited to the northern conditions.

R. E. Michelson Hibbing, Minn., presented a plan of an arboretum to be installed in a large park at Hibbing and asked for co-operation in the venture. Mr. Hilborn moved that the N. R. N. A. pledge its support to the Hibbing Arboretum and request that its members contribute varieties for testing purposes.

Nursery Stock Prices

Says the Dallas, Tex., News: There are many instances where price is a minor consideration, especially where one is buying something that is to be used a long time—something permanent. Low cost, then, is not necessarily synonymous with cheapness. True bargain hunting in such a case consists of determining the value of the product, rather than the cost—anything worth while is worth paying for, as well as working for.

An example of such an instance is found in setting out an orchard. Of course, one doesn't see "sales" of Nursery stock so very often, but so-called "bargains" are often offered, and many orchardists make the mistake of buying inferior stock from an unreliable firm because the cost, at least the initial cost, is less.

So many persons have found that it is profitable in the long run to buy good Nursery stock that it seems no one would ever make the mistake of buying poor stock, but they do. More money probably has been lost on trees through buying poor Nursery stock than from any other cause. If a tree is not hardy, thrifty and in good condition the loss is more than the original cost; there is a loss in time and effort that more than makes up for any difference in cost.

The ordinary beginner in tree planting does not know just exactly what type of tree he needs; he may even have a wrong idea about the most suitable type of tree. But he can assure himself of getting the best if he will buy from an established, reliable firm. There is almost no chance of getting poor stock, and it will be replaced if he does, when he purchases from a Nursery that has been serving his territory for years, one that has built up a reputation for its stock.

Of course, one should not pay too much for a product, but pay enough to get the best. Your paying will "pay" you.

Parasites of Japanese Beetle

Encouraging results in breeding parasites of the Japanese beetle in the United States are reported by J. L. King and J. K. Holloway, Bureau of Entomology in Circular 145-C, U. S. D. A. "The introduction of foreign parasites into this country for the control of the Japanese beetle was begun in 1920," the circular says, "and has been carried on continuously since that time by the Bureau of Entomology in cooperation with the New Jersey State Department of Agriculture. During this period 14 species of parasites and one predaceous beetle have been liberated. Of this number only five have become established."

"*Tiphia popillivora* was one of the first parasites introduced; it gave little promise at first," according to the report. "After a slow start, however, it is increasing rapidly and gives much promise as an important factor in the biological control of the Japanese beetle." The original colonies spread until in 1929 they covered an area of 3½ square miles in New Jersey. The parasites are now collected there for distribution to other points. Where 100 female parasites of this species are liberated under favorable conditions, establishment of a colony is almost certain.

This parasite is particularly well adapted for use in the natural control of the Japanese beetle because it is a specific parasite of this pest in its native land, and in this country this tendency is preserved. The female parasite burrows into the soil until it locates a Japanese beetle grub, then stings it and lays an egg upon it. The parasite larva hatching from the egg sucks up the body fluids of the beetle grub and finally devours it. Soil temperatures here appear to be favorable for its normal development. The adult, wasplike parasite shows a decided preference for the flowers of wild carrot as a food, and fortunately this plant is abundant in the region now infested with the Japanese beetle.

Public Advised to Buy—A few thrifty fruit trees around the farm house or on the city or village lot mean more than just fruit and money to the owner. The new Cornell (Ithaca, N. Y.) bulletin on growing fruit for home use tells how to grow the tree fruits, grapes, raspberries, strawberries, currants, in addition to the spray program, pruning, and the varieties to select.

Advantages of Hardy Rootstocks for Grapes

Greatly improved quality and increased yields of fruit are the chief advantages to be gained by grafting desirable varieties of grapes on hardy rootstocks, says F. E. Gladwin, grape specialist of the State Experiment Station, Geneva, N. Y., who has been conducting experiments with grafted grapes for several years. Mr. Gladwin has prepared a brief summary of his tests with directions for grafting grapes which will be sent free of charge upon request to the station.

Such well-known varieties as Delaware, Campbell, Niagara, Concord, Iona, Catawba, etc., have certain defects which detract from their value as commercial sorts, says Mr. Gladwin. Some of them set more fruit than they can mature; some are erratic in their bearing habits and are oversensitive to soil conditions; while some have the "off-year" habit to a marked extent or tend to "run-out" or deteriorate in yield and quality, he says. Although grafting is not a cure-all, he believes that many of these defects can be overcome by grafting these varieties on hardy rootstocks.

Several standard varieties of grapes were bench-grafted by the whip-and-tongue method on selected rootstocks. Records have now been obtained for a sufficient length of time to show that American grapes can be materially improved in quality, that yields can be increased, and that more vigorous vines can be obtained by bench-grafting desirable varieties on suitable rootstocks.

The cost of grafting is still a handicap to the method coming into practical use, it is said. Indications are, however, that cheaper methods will soon follow and, in the meantime, grape growers are urged to give the method a trial on a small scale. Certainly, in small vineyards for home use, grafted vines are to be preferred to those propagated by cuttings.

It is also possible to replace undesirable varieties or misfits in the vineyard by grafting better sorts directly onto vines already established. For most purposes, however, bench-grafted vines will probably prove most satisfactory.

Common Sense Rule In Plant Patent Cases

Will Apply in Opinion of Attorney Macdonald Who Replies to Queries As To Operation of New Law—As To Strawberries

M. Q. Macdonald, attorney for the A. A. N., in a talk on the Plant Patent Law at the Newark, N. J., convention of the Eastern Nurserymen's Association, reviewed some of the questions that have been asked in regard to the application of the law:

Can a rose-grower buy a patented plant and reproduce enough for his own use, provided he does not sell the plants? No, not if the patentee reserves to himself the rights given him by the statute. The law gives the patentee the exclusive right to asexually reproduce the plant. He may reserve this right himself, or he may license the purchaser to reproduce ten, or a hundred, or ten thousand. If it is said that one cannot prevent the owner of a plant from planting a cutting, it may be answered that such an act may not be detected. If detected, and if it is worth while to do so, it may be enjoined. Radio patents were infringed by thousands of boys all over the country when home-made sets were popular, and, for practical business reasons, nothing was done about it. On the other hand commercial exploitation of these patents was quickly stopped. The same common sense rule will be followed by patentees under the new law.

Can the owner of a patented peach tree use or sell the fruit? Yes. He is not in-

fringing the patentee's exclusive right to reproduce the tree.

Can one who discovers a sport obtain a patent? Provided that it is a distinct and new variety and the other requirements of the law are complied with, Congress intended that sports should receive the same protection as hybrids.

Can the owner of a patented plant reproduce it from seed? He is free to plant the seeds, as that is not asexual reproduction. He may or may not reproduce the original. The chances are that he will not. He may produce something better.

If he does reproduce something better, can he patent it? Yes, if he can show that it is a distinct and new variety.

Will the fact that plants react differently under different environments prevent the issue of a patent? There has been much learned discussion on this point. My answer is that members of Congress, even those from the metropolitan district of New York, know that plants change under climatic conditions. They know that citrus fruit is a commercial success in Florida; that it is not in northern Georgia; that the tree may or may not survive in North Carolina, and that it will not survive in Massachusetts: A patented compass will perhaps

prove useless over an iron range, and a patented radio will be a failure if used next to a car-barn. Both the House and Senate committees stated that allowance must be made for difference in characteristics which follow from changes in environment.

Can dahlias be patented? The law specifically excludes patents on tuber-propagated plants. The word "tuber" has been applied to dahlias, but other authorities term them "roots." The purpose of Congress in excluding tuber-propagated plants was to prevent the patenting of potatoes which are bought for seed as well as for food. If a dahlia application comes along, I think that a very good argument could be made for the applicant. Both committee reports specifically include dahlias.

Can new varieties of strawberries be patented? Strawberries and a few other plants reproduce themselves, and the only act of man involved is lifting them with a trowel and putting them back in the rows. I think that I could present a much better argument for the alleged infringer than could be offered in defense of such a patent—if it got by the patent office.

Is it necessary to know how a particular variety was produced, in order to secure a patent? That is to say, is it necessary to

(Continued on Page 110)



From Victorious Battlefield to Dependable Nursery

Being the First of a Series
of Just So Tales

HARD pressed were Washington's soldiers on that historic date over a century ago when the fighting parson of Springfield saved the day with hymn books. The British Army from New York were determined to cut off that masterly retreat of our soldiers through New Jersey. Back and forth they fought, up and down the street by the old church, and in the fields nearby.

Just as the British were finally being held, the alarming word went the rounds that our soldiers were out of wadding for their guns. As they were about to give way, the old gray haired minister was seen coming out of his church, arms filled with Watt's hymn books. "Give 'em Watt's," he cried, "Give 'em Watt's." Tearing

out the pages they rammed them into their guns. The British were driven back. Again our ragged, half famished, disheartened soldiers had made history.

The old church still stands. On the rich soil of that battlefield, William Flemer started a nursery 49 years ago. A direct descendant was he, of that sturdy God-fearing stock of those liberty battling days.

Those first few acres have now grown to 300. And here, following the dependable methods he so painstakingly established, the F. & F. Nurseries are being carried on today. Evergreens, deciduous stock, hardy plants. When next you pass this way, drop in and see us. We are right across the way from the old church.

F. & F. Nurseries
FLEMER HOLDING CORP.

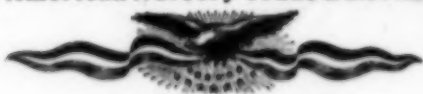
SPRINGFIELD

NEW JERSEY



AMERICAN NURSERYMAN

American Nursery Trade Bulletin



CHIEF EXPONENT OF THE AMERICAN NURSERY TRADE

Featuring the Nursery Trade and Planting News of American and foreign activities as they affect American conditions. Fostering individual and associated effort for the advancement of the Nursery and Planting Industry.

Absolutely independent.

OFFICIAL JOURNAL
PACIFIC COAST ASSOCIATION OF NURSERYMEN
Largest District Organization in the Trade
ILLINOIS STATE NURSERYMEN'S ASSOCIATION
Leading State Nursery Trade Organization

Published Semi-Monthly by
AMERICAN FRUITS PUBLISHING CO., INC.
39 State Street, Rochester, N. Y.

RALPH T. OLCOTT, Pres. and Treas.
Phones:—Main 5728, Greenwood 700
Chief International Publication of the Kind

SUBSCRIPTION RATES		
One Year, in advance	-	\$2.50
To Foreign Countries and Canada	-	3.00
Single Copies	-	.30

ADVERTISING RATES on Application
Advertisements should reach this office by the 10th and 25th of the month previous to the date of publication.

ROCHESTER, N. Y., MARCH 1, 1931

FOUNDER OF AMERICAN NURSERY TRADE JOURNALISM

THE FIRST Nursery trade paper in America was established in 1898, as long-time Nursery concerns know, and for nearly thirteen years was conducted under the personal and exclusive direction of Ralph T. Olcott, of Rochester, N. Y., who later founded the AMERICAN NURSERYMAN on broad and untrammeled lines.

"The dean of Nursery Trade Journalism."—John Watson.

A Policy Roundly Echoed

"Cultivated Americans, impatient with cheap sensationalism and windy bias, turn increasingly to publications edited in the historical spirit. These publications, fair-dealing, vigorously impartial, devote themselves to the public weal in the sense that they report what they see, serve no masters, fear no groups."—Time Magazine.

Sound Distribution

"Distribution has been much stressed, perhaps correctly, by executives, organizations and business analysts as the present main problem of industry. Nevertheless, I am of the opinion that there can be no sound distribution that is not based on sound production.

"To find and serve a market is to presuppose a capacity to produce economically, wastelessly. Buyers have a way of seeking out the producer who best serves them at the factory."—Charles Ault, Auburn, Me.

BOUGHT ON MERIT

The circulation of the "American Nurseryman" is bought by readers solely on editorial merit. It is never sold through schemes. Cut rates, "clubbing," premiums and deferred payments are not used. It carries no subscription in arrears.

The Mirror of the Trade

Nurserymen Making America More Beautiful

COMMENTING on the remarkable results of the Yard and Garden Contest feature of the Nurserymen's Publicity Campaign, the contest manager, George M. Sheets, says: "Everywhere the contests have brought results. Actual dollars have been added to property values by the clearing up and planting of individual home grounds. Appearance of cities as a whole has been greatly changed for the better. Attractive yards make inviting streets. Beautiful thoroughfares distinguish any community. Greater civic pride and loyalty are built up."

THE MAGIC OF PUBLICITY CAMPAIGN ACTIVITY

A highly attractive and altogether effective, broadside presentation of press and organization indorsement of the Yard and Garden Contest division of the Nurserymen's National Publicity Campaign just issued, shows the lively interest that has been worked up all over the country by George M. Sheets, managing director of the division.

Striking illustration of the change in sentiment on the part of newspaper editors in regard to publication of articles urging seasonal planting of trees and shrubs, in comparison with conditions of years ago when editors were asked and often urged, to print such articles, is instanced by the voluntary expression herewith addressed to Director Sheets by Francis S. Murphy, business manager of the Hartford, Conn., Times:

We feel that the Yard & Garden Contest which we conducted has been most successful. That interest in the contest in 1930 was greater than in 1929 was apparent by the number of contestants and the

interest shown in the contest by our readers.

We feel that such a contest is of great civic value and that it is safe to say that in the short time during which these contests have been conducted, probably thousands of yards and gardens have been greatly improved by their influence. We have had many complimentary letters about the contest and we feel that it should be maintained as a permanent activity by this newspaper.

That this expression is typical of the present opinion on the subject by newspaper editors throughout the country is proved by the convention displays (on three two-story walls in great ball rooms) of multi-column articles on planting, clipped from hundreds of newspapers—many of them front-page articles. Instead of the old-time "Dear Editor: Please insert it at your convenience," the tables are turned and the word comes from all sides, "Please rush to us matter for our garden club department." Press agent matter has become news matter in response to subscriber demand.

A BUSINESS SYMPOSIUM

"Can production and consumption be balanced?" is one of the questions to be discussed in the symposium on "Can Depressions and Booms Be Eliminated?" which will feature the nineteenth annual meeting of the United States Chamber of Commerce in Atlantic City, N. J., April 28-30 and Mar. 1. Other topics: "Business Stabilization—Is It Attainable, Desirable? What Are Its Limits and Possibilities?" "Can Saturation Points Be Determined?"

Consideration will be given the problems following in the wake of the recession—unemployment, lagging consumption, industrial lethargy—not in the light of the immediate emergency but in the longer perspective of cause and effect. These will be taken up, says the Chamber management, from the business viewpoint and the possibility of laying a course of action looking to the prevention of minimizing of the untoward effects of fluctuations in industrial activity will be weighed against a background of practical business management.

At the five general sessions, the closing annual meeting, dinner session and the eleven group sessions current problems, all involving some aspect of the larger question of restoring and maintaining the business equilibrium, will be discussed by business leaders familiar with the practical difficulties that will be encountered and the conditions that must be met.

The problem is one that concerns every type of business association.

"The world has moved so fast in our generation that most of us take progress for granted. We forget that it is only achieved through constant alertness and sustained effort."

TREE-PLANTING IN CITIES


Park authorities in cities have been unusually busy in planting trees in parks and boulevards. Richmond, Va., reports the planting of 2,000 trees last fall. Sacramento, Cal., park officials have arranged for the city's annual tree planting program this month in which 1,000 trees will be used; Arizona ash and Oriental planes predominating.

Apparently the Nurserymen's National Publicity Campaign and especially the yard and garden contests are having wide collateral results. Unless Nurserymen, through educational methods (stressing superiority of commercial Nursery service) change present practice, the Municipal Nurseries will wax greater.

Similar education would seem to be needed to change practice of residential development companies in establishing their own Nurseries for supplying trees and shrubs for building lots they sell.


Alfred Carl Hottes, associate editor Better Homes and Gardens, on Jan. 21 addressed an audience in San Antonio, Tex., with the stated purpose of creating a desire among citizens to make San Antonio a more beautiful city through embellishment of homes and gardens.

Prof. Hottes is an authority on his subject, having a solid background of education backed with experience in many parts of the United States. He was born in Ithaca, N. Y., in 1891, and was graduated from Cornell University in 1913. He taught natural history of the farm at Cornell for a year after his graduation. That year he received his master of science degree from Cornell. Two years later he went to Ohio State University where for 12 years he was professor of floriculture. He is well known in Nursery trade circles.



THE ROUND TABLE

Comment and Suggestion
By Readers For the
PROGRESS OF THE INDUSTRY



Nurserymen Ask Station To Solve Problem

There is nothing scientific about this article, but it points to some truths that it would pay Nurserymen to consider.

A year ago several Nurserymen waited upon the Experiment Station at Geneva saying that they were having difficulty in handling cherry trees. Many complaints were being received from fruit growers and purchasers of trees, chiefly that the trees either started late when planted out or did not live at all. Accordingly a cooperative experiment was entered into, and two-year-old trees of Black Tartarian, Napoleon, and Yellow Spanish were secured from five Nursery companies, the trees treated in various ways and stored over winter under varying conditions.

The following spring these trees were planted out on the Station grounds and examined from time to time to see which method of treatment prior to storage and what type of treatment in storage was best. Some of the trees had been coated with paraffin and some with a flexible wax, some had been corded up and the roots covered with kraut, while others had been trenched in in sand. Still others had been pruned severely. It was not expected that there necessarily would be any striking differences from any of these treatments. The results that were secured, however, were remarkable, even though they entirely obliterated the experiment.

As was said at the beginning of this short note, the experiment on different methods of storage was completely invalidated by a poor treatment that some stock received before it was placed in storage, (dried-out roots). It seems like a very unscientific thing to talk about but actually whatever it was that happened was more important than all of the scientific tests on pruning, paraffining, controlled humidity, and controlled temperature. This is the real lesson, and since it is all in the family it is something worth recognizing and passing along—not only in the storage of fruit trees but in the handling of all Nursery lines.

Records have shown that on dry, sunny, windy days exposure of the roots for fifteen minutes caused injury, evidenced by the fact that the trees so exposed made less growth than did those which were planted as soon as they were dug. On a day of partial sunshine, with no wind and of fairly high humidity, exposure for thirty minutes did not result in evident injury. Trees exposed for a longer time under these conditions were visibly injured, as was apparent from the poorer growth which they subsequently made. Trees exposed under the same conditions for one hour were so much injured that a majority of them died. On a cloudy day, with sufficient mist to indicate a saturated atmosphere, trees were exposed for two hours without evidence of injury.

Inspection Penalty—S. T. Mosteller, Nursery proprietor, Wichita, Kan., pleaded guilty to a charge of selling Nursery stock without a certificate of inspection and paid a fine of \$10 and costs assessed by Judge Leigh Clark in the first action of its kind in Wichita. B. E. Liston of the state entomological commission said the action had the desired result in bringing Nursery dealers out for the proper licenses.

Nurserymen's Offer Declined

Disregarding the offer of the Minnesota Nurserymen's Association to supply trees at cost, the Minnesota House of Representatives committee on reforestation last month approved a bill calling for a State Nursery plant.

Representatives of the Nurserymen's group at a recent meeting offered immediately to supply the state with trees in any quantity desired and suggested that establishment of a State Nursery would put the state in business in competition with private industry.

Grover M. Conzet, state commissioner of forestry said the cost would be about \$6,000 annually; that the first seedlings would be available for planting in the fall of 1932 and that the following year 250,000 seedlings would be ready for planting. The output, he said, would be increased until the maximum of 5,000,000 trees annually would be available in 1939.

The state forest commissioner set forth that even though Nurserymen were prepared to supply the state with seedlings at once, his department scarcely could be prepared to do much planting before the fall of 1932 when the first plants from the State Nursery would be available.

Harry M. Hobbs, Fred R. Hobbs and Carrie Hobbs have incorporated O. M. Hobbs & Sons, Bridgeport, Ind.

Charles A. Bennet who operates Nurseries at Santa Ana, El Toro and Vista, Cal., is establishing another at Corona Del Mar, Cal.

American Rose Society has recorded formally its high appreciation of the services of the late Benjamin Hammond who was secretary of the society 1906-1917 and president 1918-1919.

George W. Whitney who 26 years ago headed the retail business of the George A. Sweet Nursery, Dansville, N. Y., has become affiliated with the Equitable Life Assurance Society of the United States at Oakland, Cal.

It has been purposed to exempt from inspection Nurseries in Nebraska of one acre or less whose sales are local and do not enter into public transportation; also to decrease the Nursery inspection fee from \$10 to \$5.

Plant Patent Action—A resolution asking that New York State arrange for patenting products of its state experiment stations "for the benefit of the people of the state" was adopted at the recent annual meeting of the New York Horticultural Society.

Radio Rose Talks—The new series Thursdays, at 3:00 p. m. eastern standard time: March 5, J. Horace McFarland; March 12, Leonard Barron; March 19, Robert Pyle; March 26, Miss Grace Tabor; April 2, Marshall A. Howe; April 9, J. H. Nicolas; April 16, Richardson Wright; April 23, R. Marion Hatton; April 30, G. A. Stevens.

Monroe, Mich., Nursery concerns were represented at the state convention in Detroit last month by Benjamin Greening and Ed. G. Greening of the Greening Nursery Company; H. E. Malter, H. Boyer Marx, W. W. Gearhart, W. F. O'Meara and James Ilgenfritz of the I. E. Ilgenfritz Sons Company and Ray E. Bassett, landscape architect.

Byron C. Collins and others have established Rose Valley Nurseries, Lyons, N. Y.

EASTERN NURSERYMEN'S ASSOCIATION

H. Lloyd Haupt, Hatboro, Pa., Secy.

Eastern Nurserymen's Association in session in Newark, N. J., last month, listened to a description by Dr. Thomas J. Headlee, New Jersey State Entomologist, of his experiments with electricity for killing insects. Similar experiments are under way in Rochester, N. Y., where a wire cage charged with electricity and fitted with an electric light to attract insects at night is being tried out. It has given encouraging results. William Flemer, Jr., suggested that the future might see Nurserymen feeding Nursery stock into a machine from the other end of which the stock would emerge certified and ready for shipment.

No other novelty coming up for consideration Attorney M. Q. Macdonald talked on plant patent matters. These officers were elected: President, R. T. Brown, Cottage Gardens Nurseries, Queens, L. I., N. Y.; vice-president, Lester W. Needham, Weiser Park, Pa.; secy., H. L. Haupt. Executive committee members: J. Howes Humphries, Andorra Nurseries, Pa. and W. B. Garrett, Towson, Md., Nurseries.

The members at their summer meeting in Bridgeton, N. J., will be guests of Jackson & Perkins Co., and Koster Co.

Edward Lehde of Gardenville, N. Y., near Buffalo, has purchased the holdings of the widow of his former partner, Mr. Schoenhut, in the Nursery formerly operated as Lehde & Schoenhut, Gardenville, consisting of more than 100 acres of Nursery, a modern storage covering 18,000 square feet and 20,000 feet of glass, located 1½ miles from the Buffalo City limits. The new name is Edward Lehde Nurseries. In addition to his holdings at Gardenville, Mr. Lehde owns controlling interest in a 300-acre Nursery 10 miles east of Gardenville, known as the Elma Nurseries, Inc.

NEW JERSEY NURSERYMEN'S ASSOCIATION

Fred D. Osman, New Brunswick, Secy.

Control of injurious insects was the principal topic at the annual convention last month of the New Jersey Nurserymen's Association. State Pathologist W. H. Martin suggested that the New Brunswick experiment station which has done much for the Nurserymen of the state might do even more—in studies of soils and fertilizers and in propagation of new varieties. Upon his recommendation a committee of the association will report on practical plans of co-operation. Fungicides for roses was discussed by Dr. R. P. White.

A feature of the convention was a session for members of garden clubs in whose favor the convention was held in Newark this year instead of in Trenton.

Establishment of a centrally located plot of land, by the association to be laid out for horticultural test and show gardens and a training school for those seeking to become skilled workers in horticulture was proposed by Marcel Le Piniec, Bergenfield.

Officers elected: President, E. M. Carman, Meadowbrook Nurseries, Norwood; vice-pres., Marcel Le Piniec, Mayfair Nurseries, Bergenfield; secy., Fred D. Osman, New Brunswick Nurseries; treas., A. G. Kindsgrab, St. Cloud Nurseries, Orange. New members of board of directors: George Jennings, Charles Hess, Louis Schubert.

Bohemian Roses Are Coming to the Front

Czechoslovakia Rapidly Becoming Important Rose Center—Nurseries Started Since the War Making Remarkable Progress—Noted Rose Hybridizer's Work

By J. H. Nicolas, Research Department, Jackson & Perkins Co., Newark, N. Y.

Until the treaty of Versailles, Bohemia was in the dual Empire of Austria-Hungary, but it is now an important part of the independent Republic of Czechoslovakia. Prior to that time there were but few roses grown commercially, the supply being imported from Germany mainly.

While in Europe last summer, I heard several reports of the fast-growing rose industry of Czechoslovakia and I saw in various exhibitions several good novelties emanating from the country. It was a revelation to me and I started at once for the "promised land" hoping for a discovery as I did in Spain in 1925 (Pedro Dot and his "Mme. Gregoire Staechelin").

It was a discovery and I was very much impressed by the extent of rose Nurseries, their modern methods and equipment. These Nurseries were started after the war and have made tremendous progress, the most important being in Ian Bohm at Blatna near Prague the capital of the nation. I saw at the Bohm Nursery a block of about 500,000 budded rose plants and 25,000 standards. Hadley seems to be a great favorite, as there were 20,000 plants of that variety; 5000 Etoile de Hollande; 6000 Ville de Paris; 5000 Mrs. Henry Morse; 10,000 of a beautiful new red hybrid perpetual named for the owner, Ian Bohm. Polyanthas are quite in demand because of their ruggedness (winters in Bohemia are very severe) and continuity of color, and the Bohm Nursery produces annually about 50,000.

Bohm's Fifteen Novelties

But what mainly brought me to Blatna was Bohm's reputation as a rose hybridizer and my visit there satisfied me that Czechoslovakia is fast assuming a preponderant place in the world as a new rose production center. Ian Bohm is a young man yet, the son of a professor of horticulture at the University of Prague. He started in

business in 1918 to put to commercial use the new methods of rose culture and hybridization he had learned from his father's long experience and research work. He has already to his credit 15 high class novelties some of which will gain a world renown when distributed: Bohemia, Krasna, Uslavanka, Alois Jirasek, Bozene, Nemcova, Pilsen, Zlata Praha (the Golden Prague) Jubile Masaryk, Briand-Paneuropa.

About the latter name, it is worth while mentioning that Briand's idea of a United States of Europe was first originated by George Podebrad, King of Bohemia in 1465-67, who from the Castle of Blatna proposed a European Union; and when more than four and a half centuries later the idea is revived, it is commemorated by a rose born under the shadow of the Castle of Blatna.

A Blue Rose at Last

But what will probably more than anything bring fame to Ian Bohm is the discovery of the long-sought true blue bush rose. After working for 20 years with various strains, following the theory of "dissociation of characters" taught by Naudin and Mendel, the blue rose has been brought out of the old Centifolia, the petals of which are found to be very rich in Cyanin (pure chemical blue) and will be known under the name of Krasna Azurea (Beautiful Azure). It is a hybrid perpetual vigorous with the blooming habit of a hybrid tea, heavily laden with the old fashion rose perfume.

American Distribution

It is the good fortune of Jackson & Perkins Company to have contracted for the exclusive distribution in America of Ian Bohm's roses.

Thorough tests of these new varieties will be conducted in our greenhouses and open air laboratories before they are offered for sale. Our friends of the trade are invited to come, observe and study in our proving grounds any time; the latch-string's out.

Trained Workers Necessary

In its local publicity supplementing the National Publicity Campaign advertising the Howard-Hickory Co., Hickory, N. C., through President O. Joe Howard says:

"All natural things—soil, climate and rainfall—seem to favor this locality as a growing station for Nursery stock. Important in themselves, they must be aided by trained workers in the fields. Budding and grafting demand skill; planting, cultivating and pruning cannot be left to ordinary help. In all these processes we employ trained men, thus producing stock that is not surpassed by any grown in the South."

Wyman Nursery Interests

Consolidation of the Nursery interests of Windsor H. Wyman and his sons, Donald D. Wyman, North Abington, and Richard M. Wyman, Framingham, to form Bay State Nurseries, Inc., is an event of note in New England territory.

In 1894 Windsor H. Wyman established a Nursery in North Abington, known as the Bay State Nurseries, with slightly over two acres planted in stock. Since that time, by hard work, thrift and an effort at all times to supply merchandise of first-class quality, Mr. Wyman developed these Nurseries to present size, occupying more than 850 acres of land in Abington and the surrounding towns of Rockland, Hanover and Halifax, of which more than 350 acres are under cultivation. In 1922 Donald D. Wyman, younger son of Windsor H. Wyman, acquired a one-half interest in the Bay State Nurseries.

Coincident with the foregoing, William B. Whittier established the Framingham Nurseries. On the death of Mr. Whittier in 1910, Mr. Wyman purchased the Framingham Nurseries, operating them independently from the Bay State Nurseries. In 1920 Richard M. Wyman, elder son of Mr. Wyman, acquired the Framingham Nurseries from his father. At present these Nurseries occupy about 440 acres of land, of which some 200 acres are under cultivation.

Windsor H. Wyman, now 73 years young, hale, hearty and vigorous, will still be identified with the new organization. The brunt of active management will be done, however, by his sons.

SOUTHERN PLANTS WHOLESALE PRICES

AZALEAS, INDICA and KURUME
ABELIA GRANDIFLORA
LIGUSTRUM LUCIDUM
CONIFEROUS EVERGREENS
GRAPE MYRTLE ROSES

Wholesale List Mailed on Request

Glen St. Mary Nurseries Co.

Box A, Glen St. Mary, Fla.

EVERGREEN TREES—Good Landscape Stock				
Price per 100	4-5'	3-4'	2-3'	18-24"
Cedrus Deodara	150	100	75	85
Thuja Aurea Nana			100	75
Thuja Rosedale			75	85
Thuja Orientalis	50	30	25	15
Ligustrum Lucidum	50	35	25	20
Ligustrum Japonicum	35	25	15	10
Balls & Burls 10c extra.	Samples \$2.00.			
Shipping every day. Ask prices on car lots.				
We have large stock and can please you.				
CONCORD NURSERY, Dept. A, Concord, Ga.				

CHINESE ELM

Ulmus Pumilla

Grown from selected imported Seeds

Prices in 1000 lots

6-8 ft., $\frac{3}{4}$ -1" Cal. \$350.00

4-6 ft., $\frac{1}{2}$ - $\frac{3}{4}$ " Cal. \$250.00

Prepaid in 10,000 lots

WHITESIDE CHINESE ELM FARM
LUBBOCK, TEXAS

JOHN GERAGHTY & SON

Wholesale growers of

Fruit Trees and Roses

22 Carter St., Geneva, N. Y.

KNOW THE ORIGIN OF YOUR SEED . . .

It is no longer necessary to hope for good ancestry of tree seed, or to guess at the density of sowing.

A nursery noted for its hardy lining-out stock offers you certified seed at

Fair prices based on
Fertility Alone.



Berlin, N. H.

Desk J

Home of Hardy Northern Evergreens

Hundreds of Varieties—Millions of
FOREST AND ORNAMENTAL
TREES AND SHRUBS

Seedlings, Transplants and Tree Seeds.
Write for price list.

AMERICAN FORESTRY CO.
Pembine, Wisconsin

YOUR BUSINESS ANNOUNCEMENT THE YEAR AROUND IN

The Mirror of the Trade

AMERICAN NURSERYMAN

Read from Cover to Cover

Will protect your interests in a medium used regularly by competitors and you need give the matter no further thought knowing that your sign is displayed day and night from coast to coast as Nurserymen repeatedly turn these pages in reference.

\$2.50 per column-wide inch per month (TWO INSERTIONS) under yearly term.

Forms close: 10th and 25th.

AMERICAN FRUITS PUBLISHING CO., P. O. Box 124, Rochester, N. Y.

E. P. BERNARDIN
Parsons
Wholesale Nurseries
 PARSONS, KANSAS
 Established 1870

Specialties

Amoor River North Privet, 2 yr., 2-3 and 3-4 ft., well branched.
 Bungei Catalpa, 4½ to 8 ft. Stems.
 Lombardy Poplar, 5-6 to 10-12 ft.
 American Elm, 8-10 ft. to 3 in. cal.
 Lonicera Bella Albida, 2-3 to 5-6 ft.
 Deutzia Pride, 2-3 to 5-6 ft.
 Forsythia Asst., 2-3 to 4-5 ft.
 Elders Asst., 2-3 to 4-5 ft.
 Cornus Asst., 2-3 to 4-5 ft.
 Tamarix Asst., 2-3 to 5-6 ft.
 Purple Wisteria, 2 & 3 yr.

EVERGREENS—Biotas and Junipers, in good supply.

Long List of Ornamentals in generous supply.

T. SAKATA & CO.

Specialists

TRIFOLIUM SEED SHRUB

HERBST BROTHERS

42 South Street
 NEW YORK

BE THRIFTY

Use Our

CUT SERVICE

for Catalogues and Price Lists

Write for samples and prices

The Pitts Studios, Inc.

154 East Ave. Rochester, N. Y.

**GRAPE VINES,
 CURRANTS, GOOSEBERRIES**

Specializing in the growing of these items for forty years. WE KNOW HOW. Let us quote on your requirements.

The F. E. Schifferli & Son Nurseries
 FREDONIA, N. Y.

TREE SEEDS

Send for catalog listing Tree, Shrub, Perennial and Evergreen Seed. Collected from all parts of the world.

CONYERS B. FLEU, JR.

6626 Ross St., Germantown, Pennsylvania

FOR SALE at bargain prices or will exchange for Evergreens and Lining Out Stock—Lombardy Poplar 8/10x10/12 ft.; Am. Elm 1 1/2x2 in.; Mountain Ash 1 1/2x2 in. and up; Spirea Vanhoutte 3/4x4/5; Honeysuckle Tatarian 3/4x4/5; Honeysuckle Morrowi 3/4x4/5; Red Dogwood 3/4x4/5; Forsythia 3/4x4/5; Deutzia P. R. 3/4x4/5.

BYRD NURSERIES

6801 Dodge St. Omaha, Neb.



White Fir
 5 to 6 feet tall
\$8.00 each
 for 50 or more

FIR TREES—LITTLE TREES

All Sure to Please.

They will move easily for they have been frequently transplanted, three times for the smaller sizes, 5 to 6 times for the larger. All the fine roots they ever had—and there are lots of them—are inside the big ball of earth.

Height	10	100
7 to 8 feet.....	\$140.00	
6 to 7 feet.....	115.00	\$1,050.00
5 to 6 feet.....	90.00	800.00
4 to 5 feet.....	70.00	600.00
3 to 4 feet.....	50.00	400.00
2 to 3 feet.....	40.00	325.00

Prices f.o.b. Framingham. Packing at cost.

Have you our latest trade and want lists? Write for them today.

Little Tree Farms

91 Pleasant Street
 FRAMINGHAM CENTRE, MASS.



CATALOGS

Are you satisfied with your present catalog? We are producers of some of the most successful catalogs in the country. Write and get our ideas before placing your order for your next catalog. Glad to send you samples without obligation.

The L. W. Ramsey Company

Advertising for Nurserymen

430 Union Bank Bldg. Davenport, Iowa

Established 36 Years.

**SHUTE'S SPECIAL
 GERMAN PEAT MOSS**
 EXTRA FINE PEAT MOSS
 SPECIAL POULTRY LITTER
 COARSE PEAT MOSS

Unexcelled in Bulk, Quality & Price.

Car lots and less than car lot shipped anywhere.

E. L. SHUTE & CO
 IMPORTERS

Office 616 W. Upsal St.
 PHILADELPHIA, PA.



1400 Pink PEONIES \$60. Mixed IRIS \$9 per 1000, named kinds \$15. CANNAS, Robusta and Musaeolia \$1 per 100; large flowering kinds \$2.00. LILAC, strong liners \$2 per 100; 2-3 ft. \$5. Hall Japanese Honeysuckle rooted layers \$10 to \$20 per 1000; Plants No. 1, 8c; No. 2, 5c.
W. L. LUX, Route 10, Topeka, Kan.

EVERGREENS

Native Rhododendron Max. & Catawbiense, Kalmia, Hemlock, Holly, Cedar and Leucothoe Seedlings 6-18 in., 100 \$6; 2-4 ft., 25 \$5; 100 \$18. Write for carload prices. Flowering Dogwood, Maple and Azaleas 2-4 ft., 25 \$5; 100 \$18. All orders are well packed for shipment.

J. F. NORRIS, Doevoile, Tenn.

RHODODENDRONS

Kalmias, Azaleas and Hemlocks

We supply only carefully selected plants of the above in any quantities and sizes.

They are collected from the 16,000 acre estate owned by the Linville Improvement Company, which has an elevation of 4,000 to 6,000 feet.

Spring shipments commence about March first.

LINVILLE NURSERIES

"Crest of the Blue Ridge"

Linville, North Carolina

L. A. and P. J. A. BERCKMANS

Formerly of the late firm of
 P. J. BERCKMANS COMPANY
 Associates

AUGUSTA

GEORGIA

PIN OAK SEEDLINGS

The seed crop of Pin Oaks was short last year and again this year. Better order your seedlings now.

We can furnish in 6-9", 9-12", 12-18", 18-24".

ARTHUR L. NORTON

Clarksville,

Missouri

Double Agent's Orders

Conigisky's true-to-life, hand colored photographs of Shrubs, Perennials, Evergreens and Roses cost little more than old-fashioned lithographs, yet they will more than double your Sales. Catalogue FREE.

B. F. CONIGISKY

211 Hamilton St.

PEORIA, ILL.

NURSERY TOOLS

**LEONARD FULL-STRAPPED SPADES
 KUNDE KNIVES AND SHEARS**

Write for 96-page Wholesale Catalog
 Illustrating over 600 Hand Tools

A. M. LEONARD & SON

PIQUA

OHIO

For State Arboretum at Illinois University

Illinois Nurserymen's Association Takes Initiative in Requesting Action—No Adequate Facilities of Kind Needed Other Than in Private Collections

Editor American Nurseryman:

In regard to an Illinois State Arboretum that was discussed at the Illinois Nurserymen's convention and also considered by the Illinois Garden Club affiliation:

Committees have been appointed to investigate the matter and there seems to be a general demand among the horticultural interests in Illinois for a state arboretum to be located at the University of Illinois which is practically in the center of the state.

Now that there are garden clubs in practically every city and small town in Illinois and that home beautification is taking such a strong hold on the people of the state, together with the fact that there is no arboretum in the state, except what was constructed and maintained by private individuals; and the fact that a thoroughly adequate and comprehensive arboretum for educational purposes located at the university under the direction of the Department of Horticulture would be a wonderful stimulus and help, seems to be the basis for the demand for such an arboretum.

The Illinois Nurserymen passed the following resolution at their convention and undoubtedly there will be considerable activity toward securing such an arboretum in the near future.

The Illinois State Nurserymen's Association in convention assembled, realize the great need and benefit that a comprehensive arboretum would be to the horticultural interest of Illinois.

That at the present time there is no place in Illinois to which the horticulturists can turn for knowledge of plant life outside of private collections.

That at the University of Illinois we have the most efficient Department of Horticulture in the United States, together with a school of Landscape Architecture second to none, which is dependent upon private collection of plants for training of students;

That such an arboretum would be of great value to the people of Illinois as an educational institution affecting directly or indirectly, beneficially, home life of all the citizens of Illinois;

That such an arboretum for the greatest benefit to the people of Illinois should be located at the University of Illinois;

That said arboretum should be under the direction of the Department of Horticulture of the University of Illinois;

Therefore, we urgently request the Department of Horticulture to take steps towards the early establishment of an adequate, comprehensive arboretum at the University of Illinois; and we, the members of the Nursery industry of Illinois in convention assembled hereby pledge our hearty support and assistance to the Department of Horticulture of the University of Illinois towards the furtherance of this project.

A. M. AUGUSTINE

Normal, Ill.

Obituary

Hugh Edward Hall, secretary-treasurer of the Texas Nursery Co., Sherman, Tex., died Feb. 10 of pneumonia after a short illness, aged 59. Twenty-seven years ago Mr. Hall moved to Sherman from Winchester, Tenn., and at once became connected with the Texas Nursery Co.

Mr. Hall was a writer of note on Nursery stock, on which subject he was regarded as a leading authority. His articles appeared in various publications, including Holland's Magazine. His sister, Miss Madge Hall, before her death last year, was a widely known newspaper woman, having served for twenty years as society editor on the Nashville Tennessean. A brother, Lewis W. Hall, is vice president of the Tennessee Hermitage National bank, Nashville, and a sister, Miss Louise Hall, is on the faculty at Ward-Belmont College.

Mr. Hall was also secretary of the Durant, Okla., Nursery Co. He was very active in Y. M. C. A., Boy Scouts and church work; presiding director of Sherman Y. M. C. A.; Scout Master of Troop 5 of Sherman which he organized; serving in practically every



HUGH EDWARD HALL
Texas Nursery Co., Sherman, Tex.

department of the First Presbyterian Church. He was president of the Southwestern Nurserymen's Association 1928-1929.

Emanuel M. Buechly, well known to older members of the trade, proprietor of a Nursery at Greenville, O., died at Miami Beach, Fla., Feb. 10, aged 74. He had been in the Nursery business since he was 20.

Rhode Island Nurserymen in annual session last month elected: President, Henry J. Tamke, Providence; vice-pres., H. H. DeWilde, Greenwood; secy., Esau Kempenaar, Newport; treas., W. A. Hollingsworth, Edgewood. Addresses were made by Mr. Hollingsworth on rock plants and alpine gardens; Harry R. Lewis, commissioner of agriculture, on control of insect pests, and H. A. Dyer on Italian gardens.

The Last Word on Plants is HORTUS

A Concise Dictionary of Gardening, General Horticulture and Cultivated Plants in North America.

By L. H. and E. Z. Bailey



A dictionary in the true sense of the word, with essential information on all of the 22,000 genera, species and varieties of ornamental, fruit, and vegetable plants in cultivation in North America today.

You only need to know common plant names to use it for these are used throughout and cross-referenced to botanical terms.

Authorities say:

"Such a book has a thousand uses." "I do not see how the plantsman can do without it."

Just Published

652 pages; 6 1/4 x 10 inches; 35 illus.; fabrikoid; \$10.00 postpaid from

American Fruits Publishing Co.
P. O. Box 124, Rochester, N. Y.

PERFECTION MARKERS
Plant Stakes
Nursery Markers
Row Markers
Plot Markers
Plant Labels

All made of galvanized steel. Last for years. Readily changed to make different markings. Card is glass covered. Let us help you mark your stock with certainty and economy.

Plant Stake Card 1 1/4 x 3 in.
NO WOOD STAKES
TO PREPARE
NO PAINT TO PEEL
Use Perfection Markers and be absolutely certain! A trial will prove their worth.

Write for descriptive literature and remarkably low prices.

S-W SUPPLY CO. Nursery-Plot-Row-Markers
Girard, Kansas Card 2 1/2 x 4 1/2 inches

MUGHOPINE
LARGEST SUPPLY IN THE COUNTRY
Sizes up to three feet
Compact Type—Well Grown
Fairview Evergreen Nurseries
FAIRVIEW, Erie County, Pa.

COLORADO AND BLACK HILLS SPRUCE
Specimens. All sizes.
GRAETTINGER NURSERY **GRAETTINGER, IOWA**

BIRCH TREES

Large Surplus. 65,000 Cutleaf Weeping. 15,000 European White. 6-8 ft., 35c; 8-10 ft., 45c; 10-12 ft., 60c.

BERNARD'S NURSERY

Orengo, Oregon

LINING OUT EVERGREENS		per 100	
		6-8 in.	4-6 in.
Cedrus deodara	.....	\$6.00	\$4.00
Thuja orientalis	.....	3.00	2.00
Thuja compacta	.....	5.00	3.00
Thuja aurea nana	.....	6.00	4.00
Thuja aurea conspicua	.....	8.00	5.00
Nandina domestica	.....	8.00	5.00
Ligustrum japonicum	.....	5.00	3.00
Ligustrum lucidum	.....	5.00	3.00
CONCORD NURSERY, Dept. A, Concord, Ga.			

WE OFFER

CHERRY, 1 and 2 years

APPLE, 2 years

PEACH, 1 year

PEAR, 1 and 2 years

SHADE and ORNAMENTAL TREES

APPLE and PEAR SEEDLINGS

APPLE GRAFTS, Whole and Piece
Roots.

We have an unusually fine stock of *Hydrangea Paniculata Grandiflora*, 2 to 3 feet, and 18 to 24 inches. No mixtures. They have been grown to stakes and are straight and nice to handle.

Have a large supply of *Spirea Vanhoutte*, 3 to 4 feet and smaller. All choice plants. *Amor River Privet*, all grades.

Let Us Price Your Wants
In Any of the Above

J. H. Skinner & Co.,
TOPEKA, KANSAS



SEND

FOR A

NEW SPRING CATALOG

The most complete line of hardy ornamentals to be found in the East.

The excellent uniform quality of Princeton Products prevents losses.

PRINCETON NURSERIES

PRINCETON, NEW JERSEY

PRIVET and BERBERIS

Splendid Stock

Write for Special Quotations.

LESTER C. LOVETT

Milford

Delaware

NOTICE

All "American Nurserymen" wishing to do business with Europe should send for the **HORTICULTURAL ADVERTISER**

This is a British Trade Paper read weekly by all the chief accredited horticultural traders. Annual subscription to cover cost of postage, \$1.85. Money orders payable at Nottingham.

As the H. A. is a purely trade medium, applicants should, with the subscription, send a copy of their catalogue or other evidence that they belong to the nursery or seed trades. Address

Horticultural Advertiser (1930) Ltd.
Nottingham, England



View showing a Cole fleet transporting Elm of 8" caliper, each carrying a dirt ball making weight of each load approximately 7,000 lbs.

Nursery Stock by Truck Something to Think About

If we were permitted to make a suggestion to fellow nurserymen on this, our fiftieth (50th) anniversary, it would be to "Institute a Real Truck Service for your Customers."

The equipment at The Cole Nursery Co. comprises a fleet of sixteen trucks. A large portion of our orders within 50 miles and many others up to 150 miles are delivered by this equipment.

The advantage of having efficient truck service is reflected in the fact that during two weeks in November we delivered **Over Five Hundred Mammoth Truck Loads** of "Everything That's Good and Hardy" to our customers.

We find this service meets with great favor among our customers, and that it also gives us valuable advertising. We believe nearly all nurseries would benefit from a delivery system of this nature.

The picture shows a portion of our fleet moving Elm of 8 inch caliper with ball of dirt (Average weight 7000 pounds each).

Large trees with balls of dirt make up a small portion of our shipments of "Everything That's Good and Hardy".

THE COLE NURSERY COMPANY
A HALF CENTURY AT PAINESVILLE OHIO

PORTLAND ROSES

2-Year, Field-Grown, Budded Stock

BROADLEAVED EVERGREENS
FLOWERING SHRUBS
HARDY PERENNIALS

CONIFERS
ROCK PLANTS
HARDY VINES

Ask for New Price List Just Off the Press

MOUNTAIN VIEW FLORAL COMPANY

Office: 341 E. 72d Street S.

Portland, Oregon

JUL. STAINER

Wiener-Neustadt, Austria

Founded 1860

Largest Austrian Kilmhouses—Own Nurseries

We supply

ABIES PECTINATA, JUNIPERUS VIRGINIANA, PICEA EXCELSA, PINUS PEUCE, CEDRUS DEODARA, LARIX EUROPAEA, PINUS AUSTRIACA, PINUS SYLVESTRIS

as well as all other kinds of seeds of EVERGREENS, PERENNIALS, ORNAMENTAL TREES AND SHRUBS AND FRUIT TREES OF BEST QUALITY

WRITE FOR CATALOGUE

Cable Address: Samenstainer Wienerneustadt
ABC Code, 4th and 5th Edition

Canterbury

BUXUS SEMPERVIRENS

in sizes from 10 to 28 inches

B. SUFFRUTICOSA

in sizes from 4 to 18 inches

WRITE FOR WHOLESALE PRICE LIST

CANTERBURY NURSERIES, Inc.

Box A EASTON, MARYLAND

Boxwood

LINING-OUT FIELD-GROWN ROSES

Wonderful assortment of Hybrid Teas, etc., etc., for your nursery row.

You will use them for early Fall Sales and make money. Send list for Prices.



**Howard
Rose**

Company

Hemet, California

CHINESE ELM—

Excellent trees of this elm are offered from our blocks for fall and spring shipment in sizes from 3-4 ft. to 10-12 ft. Glad to quote special early season prices on your estimated wants.

Mount Hope Nurseries

Lawrence, Kansas

CLOSING TIME:

FOR TRADE
ADVERTISEMENTS

AMERICAN NURSERYMAN—Semi-Monthly

1st of Month Issue

First Forms: - 23rd each month

Last Forms: - 25th each month

15th of Month Issue

First Forms: - 8th each month

Last Forms: - 10th each month

If proofs are wanted, copy should be in hand previous to above dates

American Fruits Publishing Company, P. O. Box 124, Rochester, N. Y.

LITERATURE

Landscaping the Small Home: By Edward W. Oliver; small, 8vo., pp. 146, half-tone engravings and planting designs 52. Post-paid \$2. Rochester, N. Y.: American Fruits Pubg. Co.

This is another of the recent books really supplying the simple practical information desired by the majority of home owners who would embellish their grounds satisfactorily. More than two decades ago the *American Nurseryman* began directing attention to the need for such information, as instanced by the condition of the great majority of comparatively small home grounds. There were then few sources of landscape service within the means of such home owners. A book issued several years ago, "The Small Place" dealt with areas and cost figures still out of the class under consideration here.

The author of "Landscaping the Small Home" has fully sensed the need. His preface states the problem exactly: "Among the thousands of American home-owners interested in transforming the home surroundings into a living thing of permanent beauty through use of trees and plants, few feel that they can afford the expense of hiring a competent landscape architect to do the work, or that the small property can be effectively landscaped. It has been the common conception that the average city or suburban lot, ranging from 40 x 120 feet to 75 x 150 feet, does not necessarily require careful planning or planting. Because of proximity of buildings and the comparatively small area to be devoted to the planting, the impression has been that it was useless to attempt a complete planting. This is not true. There is no city property, no matter which point of the compass it faces, which cannot be beautiful with trees and plants, and the fact that there is only limited space to be planted is, in itself, sufficient reason for careful planting to derive the greatest benefit and most attractive results therefrom."

The book has been produced to help solve the problems of the small property owner, to teach him how to plan and execute a planting economically and correctly. It is surprising what an effect can be produced for a small sum of money.

An example of the practical value of this book is indicated in the early pages. The author directs attention to some general considerations before going into detail. In planning to beautify the front part of the grounds he argues that the house must be made the center of the picture, all plantings in that area accentuating this fact. The definite use of trees on the front lawn is to frame the house so that from the street it

will be the immediate object disclosed. Many are the plantings that directly violate this axiom. If the lot is narrow plantings should be very nearly on a line with lot lines; on larger area somewhat nearer the projection of the side house lines. Trees should never be planted on the front lawn proper where the house is closer than 30 feet from the front walk, says Mr. Oliver.

"The keynote of every successful planting is simplicity." In the case of entrance and foundation plantings careful selection and placing of shrubs and evergreens is more necessary than on any other part of the property. Plant material must be of fine texture, correct height and used sparingly. Coarse-leaved shrubs, such as *hydrangea paniculata grandiflora*, the viburnums and lilacs should not be used, even though the house should be 40 to 50 feet from the street walk, unless the house is large, and then only sparingly. Throughout the entire planting of the grounds it must be borne in mind that a few plants, well selected and placed, produce the most effective result.

This much will indicate what the practical views of the author are regarding the planting of the rear part of the grounds to which he gives a wide variety of detail—all with reference to limited areas in the cases of small properties. A chapter on developing the plan follows. Space does not permit other than the statement that herein is presented a succinct lesson in landscaping so simple that anyone can proceed successfully by following the plain instructions guided by planting plans and diagrams, together with lists of plants for specific plantings. There are chapters on special gardens, lawn making, miscellaneous items to be included in the planting scheme, etc. The book, like others of the class is valuable to Nurserymen for reference and for recommending to customers whose study thereof would doubtless greatly extend the use of the Nurserymen's products.

Another highly valuable book on the same subject "Landscaping the Home Gardens" by the well-known landscape architect, L. W. Ramsey, Davenport, Ia., recently reviewed in these columns, is of particular value to Nurserymen and their customers.

The 68-page trade list, spring 1931, of the F. & F. Nurseries, Flemer Holding Corporation, Springfield, N. J., is a model of its kind, in business-like arrangement of the comprehensive lines and complete practical information regarding items. Horticultural standards as adopted by the A. A. N. constitute the basis for grading and quotations. Advantages of truck delivery are cited; Cost of boxing, freight and cartage is eliminated; stock is delivered in much better condition than when packed in cases and is landed on the grounds within a short time after being dug. The concern is in its 49th year.

Cash and Carry Facilities

The Pfund Bell "Elmhurst Nurseries" have recently completed a conservatory which will add greatly to their facilities for serving the plant buying public. The Cash and Carry Department was exhibited six years ago and had a very small beginning. This has grown each year until it became necessary to rearrange the whole plant to accommodate those who came regularly to buy trees, shrubs, perennials, evergreens and plants.

Three new units of buildings were erected last summer during the time the main highway past these Nurseries was closed to the public, while being widened to 40 feet all the way out from the City of Chicago. First there was built a reinforced concrete storage cellar insulated with cork and containing a refrigeration system so as to keep plants dormant as late as July 1. This unit is to take care exclusively of the wholesale trade which will now be able to get storage stock as late as August 1 if necessary. The second unit was the erection of a more complete packing house to care for growing trade in shipping to distant points as well as locally.

The third unit is the conservatory which is a show room for the plant varieties grown at the Nursery. Also there is a rock garden with cascades and lily pool, garden walks, garden seats, etc., one of the most complete cash and carry show rooms in the country. This exhibit room will be permanent. The public will see specimen plants of most everything grown in this part of Illinois.

One drawback in the cash and carry business with Nurseries is the inclement weather during most of the planting season both in spring and fall. The cool windy days make it difficult for customers to select their plants from out-door show grounds. Usually it is muddy and wet under foot. These adverse conditions were overcome by the erection of a glass-inclosed show room. Also this allows view of Nursery plants in full leaf and bloom. Plants are plainly named so that a customer may make up his own order for taking home in his car. Parking facilities for a hundred autos is provided. In connection with the cash and carry trade there will be a flower shop offering cut flowers.

Pfund Bell Nurseries are located 17 miles from the Chicago Loop, at Elmhurst and in the center of the west suburban district. A full line of Nursery stock is grown on 200 acres. The cash and carry trade has been built up mostly by the indorsement of their customers supplemented by radio and newspapers. The concern is celebrating its 40th anniversary this spring.

CHINESE ELMS

The hardy Siberian strain. Wonderfully rapid-growing. Remarkably uniform in type. Fine root-system. Lowest market prices. Also home-grown seed from select trees.

HOME NURSERY, Richland, Wash.

Rosa Multiflora Jap Seedlings

2/4mm \$ 5.00 per 1000
4/8mm 12.00 per 1000
6/8mm 20.00 per 1000

Multiflora is the best understock for summer budding. Order early, before they are sold.
YOUNGSTOWN NURSERIES, Ellsworth, Ohio

SPECIALTIES—Small Fruit Plants

Grape Vines, Currant, Gooseberry, Red and Black Raspberry suckers and Trans. Strawberry, Rhubarb, Asparagus
L. J. Rambo's Wholesale Nursery
Bridgman, Michigan

PEACH PITS

OUR PITS COMPARE FAVORABLY
WITH THE BEST
HOGANSVILLE NURSERIES
Hogansville, Georgia

Chief Raspberry

Mosaic-free Genuine
ANDREWS
NURSERY COMPANY

Faribault, Minnesota

"We Ship 'Em Quick"

HARDY SHRUBS, ROSES, PRIVETS, FRUIT TREES, GRAPE VINES and SHADE TREES. CUT LEAF WEEPING BIRCH, A SPECIALTY
CHAMPION NURSERIES
PERRY, OHIO

BRISTOL'S TREES

Northern-grown, Hardy Evergreens
Forest and Ornamental Stock,
especially Red Pine
H. R. BRISTOL, Plattsburg, N. Y.

Peach Pits

The Howard-Hickory Co.
HICKORY, N. C.

ORDER ORNAMENTAL SHRUBS AND ROSES

For Early Spring Delivery
from
MARCH FIRST BULLETIN
Just Out

C. R. BURR & COMPANY, Inc.
Manchester Connecticut

WESTCOTT NURSERY CO. Falls Church, Va.

400 Acres of
EVERGREENS, SHRUBS, TREES
Write for Price List

Wireless Paper Labels

PLAIN OR PRINTED
Samples Free

OHIO NURSERY COMPANY
Elyria, Ohio

Perennial and Alpine Plants

A list for Landscape Architects,
Nurserymen and Gardeners.
WESTCROFT GARDENS
GROSSE ILE, MICHIGAN

HOWARD BARNES OF NEWTON, IA., KNOWS IT PAYS TO—



Become a— LANDSCAPE ARCHITECT

He writes: "Since taking your course I have bought a small Nursery of my own, and I feel you have helped me a long way on the road to success in the work I have chosen."

Howard Barnes

Mr. Barnes is just one of a large number of men with previous Nursery experience who have found the "road to success" through our home study course in Landscape Architecture.

WE PREPARE YOU QUICKLY AT HOME—BY MAIL

In less than one year, and without interfering with your present work, we can prepare you to enter this profitable, uncrowded field.

Earnings are possible after the first few lessons. Many students more than pay for their entire course from fees earned while studying. Write today for FREE booklet describing the course in detail.

AMERICAN LANDSCAPE SCHOOL
10A Plymouth Bldg. Des Moines, Iowa

Japanese Azaleas

YOUNG STOCK

For Growing on or Lining Out

We will have ready for shipping, after March 15th, a splendid lot of 2 1/4-inch pots, suitable for lining out in the following varieties:

	100	1000
Amoena. Bright rosy magenta	\$ 5.00	\$75.00
Flame. Brilliant madder red with coppery suffusion. One of the hardiest	10.00	90.00
Hinamayo. Salmon-pink	10.00	90.00
Hinodegiri. Brilliant fiery-red	10.00	90.00
Ledifolia Alba. Single white	10.00	90.00
"Magnifica. Single white, prettily mottled rosy-pink	10.00	90.00
Maxwelli. Large carmine red	12.00	100.00
Pink Pearl. Beautiful salmon carmine shading lighter towards the centre, semi-double	12.00	100.00
Snow. Pure white, semi-double	12.00	100.00

Write for Our Wholesale Catalog
If you are not already on our mailing list

Henry A. Dreer

1306 Spring Garden Street
PHILADELPHIA, PA.

SPECIAL

A Loose Leaf

Plate Book

At the Price of a Map

80 COLORED PAGES

Special Sample Price \$1.50

PROCESS COLOR PRINTING CO.

Formerly CHRISTY, INC.

Searle Bldg. ROCHESTER, N. Y.

The AMERICAN NURSERYMAN is highly indorsed individually and collectively by the American Association of Nurserymen and by more than a score of district and state trade associations in the United States and Canada.



WE ARE NOW READY WITH THE

"Elmhurst" Elm

Grown by us from selected seeds from the Famous Elmhurst Elms collected in the city of Elmhurst. We have over 200,000 now growing.

Prices in 100 lots

6 -8 ft.	\$30.00	1 1/4 -1 1/2	\$125.00
8 -10 ft.	50.00	1 1/2 -2	175.00
1 1/4 -1 1/2 in.	75.00	2 -2 1/2	220.00

PFUND-BELL NURSERIES

ELMHURST, ILLINOIS

Grown in the "City of Elms"

STRAWBERRIES

Premier, Howard, Chesapeake, Big Joe, all leading varieties, \$3.50 per 1000; New Washington, \$4.00 per 1000; Mastodon, \$8.50 per 1000; Progressive and Champion, \$7.00 per 1000.

GRAPE VINES

	Per 100
Caco (Red), 2 yr. No. 1	\$15.00
Caco " 2 yr. No. 2	12.00
Agawam " 2 yr. No. 1	8.00
Agawam " 2 yr. No. 2	6.00
Delaware " 2 yr. No. 1	8.00
Salem " 2 yr. No. 1	8.00
Moore's Early, (Black) 2 yr. No. 1	7.00
Concord (Blue) 2 yr. No. 1	3.50

EVERGREENS

PICEA—	100	1000
Canadensis (White Spruce)		
9-12" \$10.00	\$80.00	
Excelsa (Norway Spruce)		
12-15" 10.00	80.00	
Pungens Glauca (Blue Spruce)		
9-12" 18.00	130.00	
Montana Mughus (Mugho Pine)		
6-9" 7.00	60.00	
9-12" 10.00	80.00	
12-15" 15.00	120.00	

AMERICAN ARBORVITAE

9-12" 10.00	80.00
12-15" 12.00	90.00

DANUBE FARMS

120-73 131st Street
South Ozone Park L. I., N. Y.

Are you preserving your copies of the AMERICAN NURSERYMAN? They are of unequalled historic value.

ORDER NOW!

APPLE SEEDLINGS
APPLE SCIONS
APPLE GRAFTS
APPLE—PEACH
CHERRY—PLUM
GRAPE—SMALL FRUITS
SHADE & ORNAMENTAL TREES
SHRUBS—ROSES—PRIVET, etc.

Highest Quality—Prompt Service
Reasonable Prices

Glad to furnish estimates on your list of wants.

THE OTTAWA STAR NURSERIES
OTTAWA, KANSAS

SCARFF'S NURSERY

Headquarters for
Small Fruit Plants
And Lining Out Stock
Grown In the Heart of Ohio

BLAKEMORE STRAWBERRY
(Introduced by the U. S. Dept. of Agr.)

YOUNGBERRY
(New Hybrid Dewberry)

LATHAM—CHIEF—VIKING
ST. REGIS—RED RASPBERRY

LOGAN—The New Mosaic Resistant
Black Cap Raspberry

KOLKOWITZIA AMABILIS
KOREAN SPIREA—RED BARBERRY

Send for Complete Wholesale Price List

W. N. SCARFF'S SONS
NEW CARLISLE, OHIO

Lining Out Stock



One of the most complete lists published of
EVERGREEN and DECIDUOUS TREES and
SHRUBS, SEEDLINGS,
CUTTINGS, GRAFTS
and TRANSPLANTED
STOCK. Write for copy.

Kelsey Nursery Service
50 Church St., New York
Established 1878
Member A. A. N.

American Bulb Company

Importers and Growers of
Dutch Bulbs, Cannas, Tuberose, Gladioli,
Hardy Lilies, Manetti, Lily of Valley,
Sphagnum Moss.

Send For Free Catalogue.
31-37 W. 27th St. 1335 W. Randolph St.
New York City Chicago, Ill.

NEW CROP EVERGREEN SEED

Ready Now—Send for list.

ROCKY MOUNTAIN
EVERGREEN & NURSERY CO.
Evergreen, Colorado, U. S. A.

LESS THAN FIVE CENTS A WEEK—Issued 1st and 15th of each month. The National Journal of Commercial Horticulture. National and international circulation. Reaching every State in the Union. Journal appreciated by upward of 2500 Nursery readers. Subscription:

AMERICAN NURSERYMAN
Chief Exponent of the Nursery Trade

\$2.50 per year; three years for \$6.00. A one-inch advertisement for \$1.40; under yearly term, \$1.25.

Will Not Need to Worry About Overproduction

If You Have Control of Really Worthwhile Plant—Under Plant Patent One May Know Exactly the Production—Specialties

By M. Q. Macdonald, Attorney for American Association of Nurserymen

Can plants be tested out in different localities without running afoul of the provision which denies a patent on a plant which has been introduced to the public prior to the approval of the act? Yes, but care—great care—should be taken to place them out under a written understanding that they are to be grown only for observation or observation and report; and that they are not to be sold.

What about plants that have been sold? The law provides that a patent may be granted for a distinct and new variety not in public use or on sale for more than two years prior to the application. It also provides that no variety which has been introduced to the public prior to the approval of the act shall be subject to patent.

As To Variety Characterization

Is it necessary that a patented plant shall be a variety of either an existing or a new species?

No. It is sufficient if it is a distinct and new variety of either an existing or a new species.

What new characteristics may distinguish a new from an old variety? That is an interesting question. The committees have specifically mentioned the characteristics of habit, immunity from disease, resistance to cold, drought, heat, wind, or soil conditions; color of flower, leaf, fruit, or stems; flavor, productivity, including ever-bearing qualities; perfume; form; and ease of asexual reproduction. Perhaps you may think of other things. I can't. It seems to me that Congress put in everything but the kitchen stove.

It is of course true that some of these characteristics in the present state of our knowledge may be very difficult to describe. Perfume, for example, can rarely be adequately described. You may perfect a new rose with an indescribably delicate perfume, but if you cannot describe it, you can hardly expect the patent office to issue a patent.

Certain difficulties present themselves in the matter of describing colors, and shades of color. They are often difficult to reproduce in a patent application. Better nomenclature, and the use of a standard color chart will not doubt obviate many such difficulties.

Some Cases Difficult

It should be remembered that the patent office is confronted with an entirely new line of work. It is to be expected that it will express doubts concerning some things that may seem quite clear to the applicant.

It is to be expected that patents may be more difficult to secure in some fields than in others. Why? Because some fields are more crowded than others, and it is therefore more difficult to distinguish a new variety from an old one. This is not a defect in the law. It is a condition that has always been faced by mechanical inventors whose inventions or discoveries relate to a crowded art.

It has been asked whether the plant patent law will not result in greatly increased prices to the public. With proper qualifications, my answer is "No." Nothing that was introduced to the public prior to the passage of the act can be patented. If prices for new varieties are too high, the public will not buy them. If all cars sold at Packard prices, there would be more Fords sold. It is a plain business problem.

Tendency To Reduce Competition

If a Nurseryman has control of a really worthwhile plant, he need no longer worry with over-production. He can tell to the last plant how many are produced under license; and he can distribute them in different territories as he sees fit. He is not growing common privet and anxious over the amount grown by competitors, and the stocks on hand. There will be a gradual development of specialties, and a gradual withdrawal from the highly competitive fields. This will not only help them, but it will aid those who choose to continue the production of the commoner, standard varieties.

It will assist the members of the industry to raise themselves above the dead level of price competition.

Plant Patent Cases

(Continued from Page 101)

know both parents of the plant to be patented?

I think not. In many cases one parent is not known. Pollen may have been carried by bees. The committees of Congress in reporting these bills expressly noted that new plants may be produced by hand pollination and by growing the parent plants in juxtaposition. Under such circumstances it is impossible to identify both parents. Parentage, in my opinion, is unimportant except as a possible aid in describing a new variety.

Satsumas a Specialty—Griffing's Interstate Nurseries, Macclenny, Fla., prominent in the South for 30 years, as one of its specialties is producing satsuma orange trees in quantity for planting in groves, to supply increasing demand.

Why Fruit Trees Fail to Pollinate—Every year fruit growers are being urged to give more attention to the proper pollination of their orchards by the selection and setting out of varieties that cross pollinate readily. They have also been told that besides combining varieties that are suitable to each other, satisfactory weather conditions at blooming time and a plentiful supply of bees are essential to a really satisfactory set of fruit. The fruit specialists at the N. Y. State Experiment Station, Geneva, have explained how certain changes that go on in the plant cells may affect very materially the whole matter of pollination and may explain why some apple varieties are satisfactory pollinators while others are not.

No Hitches; No Grinding Gears

Referring to the recent annual meeting of the Minnesota Nurserymen's Association, the editor of the Jewell News Real says:

"Whenever you attend a session of the Minnesota Nurserymen you immediately sense a smooth-running machine—no hitches, no grinding gears. Stormy or calm, the stage is always perfectly set. Soner or later you learn that W. T. Cowperthwaite (with Holm & Olson Co. of St. Paul) is secretary of the association—and that is the answer. Mr. Cowperthwaite is the kind of secretary trade associations pray for and who come to earth but once in a blue moon. We'll lay ten to one he is a master chess player: he is always prepared for the next move, no matter how the kings and pawns behave. After you get accustomed to the panorama you discover that his mind is functioning both in the present moment and in full anticipation of what is due to come. Nothing escapes him and yet you would never guess that he is watching every move."

CLASSIFIED DEPT.

STOCK FOR SALE

Norway Maple, straight branched 6-8 to 8-10 ft.; 6 ft. up straight, been staked to line out; 12-18 to 18-24 in. Soft Maple 8-10 ft. FRANK G. LONG, New Carlisle, Ohio.

MISCELLANEOUS

World's Greatest Fertilizer—HARDWOOD ASHES—Nature's own fertilizer. George Stevens, Peterboro, Ont., Canada.

TRADE LITERATURE

HOW TO GROW ROSES, by Robert Pyle, J. Horace McFarland and G. A. Stevens. Pages 211, Beautiful Illustrations, many in color. \$2.00 postpaid. American Fruits Pubg. Co., Rochester, N. Y.

BAILEY'S STANDARD CYCLOPEDIA OF HORTICULTURE, 3 vols. Illustrated. Fully indexed. 3639 pages. Indispensable for horticultural reference. The standard authority everywhere. Sold only in complete sets. Price \$25 per set. American Fruits Pubg. Co., P. O. Box 124, Rochester, N. Y.

LIST OF 160 BOOKS on Horticultural subjects covering Nursery, Greenhouse, Field, Ornamental and Fruit Stock, Vines, Insecticides, Spraying, Landscaping, Diseases, Insects, Orchards, Gardens. Seven books on Landscape Gardening, six books on Rock Gardening. List sent on request. American Fruits Pubg. Co., P. O. Box 124.

WHEN BUYING EVERGREENS —REMEMBER—

The importance of seed sources.
The value of excellent root systems.
The superiority of northern grown trees.
The utility of good service.
The saving effected by fair prices.

Our sixty-seven years of successful Evergreen propagation make it possible for us to give you all this and more.

Spring Trade List Now Ready

EVERGREEN NURSERY CO.

Established 1864 Sturgeon Bay, Wis.

THE WESTMINSTER NURSER Westminster, Md.

Offers in carlots or less—

CALIFORNIA PRIVET, 1 and 2 yr. in grades LOMBARDY POPLARS & ORIENTAL PLANES SHRUBBERY, 1½ to 6 feet.

Upwards of 750 varieties of PERENNIALS, excellent assortment. EVERGREENS, good assortment, large supply of Thuja Pyramidalis, also lining out stock from 1 and 2 year transplants in beds and field, also 2½ inch pots.

Attractive prices will be quoted. Send us your want list.

PRINTING

\$2.95 per Thousand, Delivered

Letterheads, Envelopes, Business Cards, Statements, Billheads, Labels, Tags, Handbills. We print anything that you may want, at lowest prices and highest quality. Give us a trial.

NATIONAL,

Goshen, Ind.



**YOUR WANT LISTS
WILL RECEIVE
PROMPT ATTENTION**

CELLAR COUNTS NOW READY SHOW SOME SHORTAGES AS WELL AS SURPLUSES.

WE RECOMMEND EARLY COVERING OF ALL SHORT ITEMS.

The Huntsville Wholesale Nurseries, Inc.
1872 Huntsville, Alabama 1930

**GARDEN POTTERY
and
FLOWER POTS**

Live Nurserymen are making good profits and more friends by showing art and garden pottery. The "Monmouth" line is the most complete and best selling line of Bird Baths, Gazing Globes, Sun Dials, Lawn Vases, Oil Jars, Strawberry Jars, Frogs and other Lily Pool decorations. Flower Vases in fifty or more different sizes and shapes. Beautiful glazes in turquoise and apple greens, rich blue, black, yellow and other attractive combinations. Our line of red pots for growers in all sizes used by growers nationally known as the "Cardinal Brand" are in a class by themselves. Let us send you our catalog of "Monmouth Pottery" with prices and discounts.

Now is the time to place your order for Garden Pottery.

WESTERN STONEWARE CO., Monmouth, Ill.
Largest Pottery manufacturers in the United States



**CYPRESS
(THE WOOD ETERNAL)
HOT BED SASH**

3 ft. x 6 ft., 1 3/8 in. thick with 2 extra heavy vertical bars arranged for 3 rows of 10 in. Glass built of clear red cypress completely milled and mortised and tenoned. Strictly No. 1 quality guaranteed to be the best sash on the market. Don't fool with other woods when you can get clear red cypress at these prices.

**YOU MUST BUY IN UNITS OF TEN
IN ORDER TO MAKE THIS SAVING**

10 SASH knocked down, bnd'd., \$1.55 ea. \$15.50
3 boxes 10x12 Glass, total 180 lbs., \$2.40 ea. 7.20

Special Introductory Offer \$20.00
Exclusively for Nurserymen

TERMS—CASH WITH ORDER, PLEASE

Only 1 unit (10 sash and 3 boxes Glass) to a customer
These sash are accurately milled and fitted and are very easy to assemble. We furnish pins for the corners and glazing points; everything complete except putty.

YOHO & HOOKER LUMBER COMPANY

Manufacturers and Wholesalers Youngstown, Ohio
SASH, Greenhouses, Glass, Seed Flats, Flower Boxes, Tree & Plant Labels

**Your Advertisement In
This Size Space
Will Go Into
Every State In the Union
\$6.25 per Issue**

(Under Yearly Term, \$5.60)

AMERICAN NURSERYMAN
P. O. BOX 124 ROCHESTER, N. Y.

**THE
MONROE
NURSERY**
ESTABLISHED 1847

We Have Lots of

BUDDLEIA IBOLEUM PRIVET
RED BARBERRY SPIREA VANHOUTTEI
VIRGINAL MOCKORANGE CHERRY
BOLLEANA POPLAR WEeping MULBERRY

and in all sizes too.

Send us your wants.

I. E. ILGENFRITZ' SONS CO.
Monroe, Michigan

Manufacturers of Ilgenfritz Planting Machines and Digging Plows

Wayside Gardens

**HARDY PERENNIAL PLANTS
EXCLUSIVELY**

Write for Trade List

THE WAYSIDE GARDENS CO.
MENTOR, OHIO

Follow Adventure's Trail



with

DR. DAVID FAIRCHILD

in his

New Book

**"EXPLORING
FOR PLANTS"**

An account of a three-year still hunt in Africa, the Canary Islands, Ceylon, Java, and Sumatra after new plants for your table and garden.

Every page gives intimate pictures of the danger that dogs the explorer's footsteps, of native life in far corners of the world, and of many new plants full of promise for American tables, gardens, orchards and fields. **You will be using some of them soon.**

"Every page is a delight, every chapter a supreme adventure . . . It's a book you'll turn to again and again for the sheer thrill the reading of it gives you."
—from one of 60 enthusiastic reviews.

Assure yourself of 611 pages of real pleasure—Garnished with 190 fascinating photographs taken by the author—send \$5 now for a postpaid copy.

American Fruits Pubg. Co.
P. O. Box 124 Rochester, N. Y.

HILL'S EVERGREENS

Lining Out Stock

Here are Evergreens of known origin and established quality, grown by long established specialists. Prices are in keeping with value received. Just now there is a lot of talk about low prices. Remember it is dangerous to buy on price alone. These days require looking ahead to future selling stock. Regardless of what your present outlook may be, how will you be fixed for Evergreens three or four years from now? You will have no regrets in planting choice varieties of Hill Evergreens this Spring. The following is a selected list of items worth your careful consideration:

				Each	Each					Each	Each
				100	1000					100	1000
ABIES						PINUS					
Balsamea	8-10"	xx		.08	.07	Mughus	6- 8"	xx	.09	.08	
Concolor	6- 8"	xx		.20	.19	Mughus	8-10"	xx	.20	.19	
JUNIPERUS						Nigra	8-10"	xx	.09	.08	
Chinensis	8-10"	xx	.12	.10		Nigra	10-12"	xx	.20	.19	
Chinensis	10-12"	xx	.16½	.15		Ponderosa scopulorum	6- 8"	x	.06	.05	
Chinensis pfitzeriana	4- 6"	x	.13	.12		Strobis	10-12"	xx	.15	.14	
Chinensis pfitzeriana	8-10"	xx	.17½	.16½		Sylvestris	12-18"	xx	.20	.19	
Chinensis pfitzeriana	10-12"	xx	.22½	.20		PSEUDOTSUGA					
Chinensis pyramidalis blue	grafts		.40	...		Douglassi	8-10"	xx	.09	.08	
Chinensis sargentii green	grafts		.40	...		Douglassi	10-12"	xx	.12	.10	
Communis depressa	8-10"	xx	.15	.14		Douglassi	12-18"	xx	.17½	.16½	
Communis depressa aurea	6- 8"	xx	.20	.19		TAXUS					
Communis depressa plumosa	8-10"	xx	.20	.19		Cuspidata	4- 6"	x	.15	.13½	
Communis hibernica	12-15"	xx	.15	.14		Cuspidata	6- 8"	xx	.25	.24	
Excelsa stricta	8-10"	xx	.30	...		Cuspidata nana	6- 8"	xx	.30	...	
Horizontalis douglasi	6- 8"	xx	.15	.14		THUYA					
Japonica	6- 8"	xx	.20	.19		Occidentalis	6- 8"	xx	.06	.06	
Japonica	8-10"	xx	.25	.24		Occidentalis	10-12"	xx	.08½	.07½	
Sabina	6- 8"	xx	.15	.14		Occidentalis	12-18"	xx	.10	.09	
Sabina horizontalis	6- 8"	xx	.20	.19		Occidentalis douglasi aurea	8-10"	xx	.15	.14	
Sabina pyramidalis	8-10"	xx	.25	...		Occidentalis douglasi pyramidalis	6- 8"	xx	.15	.14	
Sabina von ehron	6-10"	xx	.35	...		Occidentalis lutea	8-10"	xx	.18½	.17½	
Scopulorum	8-10"	xx	.20	.19		Occidentalis pyramidalis	8-10"	xx	.12	.10	
Scopulorum	10-12"	xx	.25	.24		Occidentalis pyramidalis	10-12"	xx	.14	.13	
Hill's Silver	grafts		.60	...		Occidentalis pyramidalis	18-24"	xx	.35	.34	
Squamata meyeri	grafts		.60	...		Occidentalis wareana	6- 8"	xx	.13	.12	
Virginiana	10-12"	xx	.20	.19		Occidentalis woodwardi	6- 8"	xx	.15	.14	
Virginiana cannarti	grafts		.40	...		Occidentalis woodwardi	10-12"	xx	.35	.32½	
Virginiana elegantissima	grafts		.45	...		TSUGA					
Virginiana glauca	grafts		.40	...		Canadensis	8-10"	xx	.15	.14	
Virginiana kosteri horizontalis	8-10"	xx	.25	.22½		Canadensis	10-12"	xx	.25	.24	
Hill Dundee	grafts		.60	...		Canadensis	12-18"	xx	.40	.39	
Virginiana schotti	grafts		.40	...		Hill's Spring 1931 Descriptive Catalog					
PICEA						With fifty illustrations in full colors. This book is a valuable reference and selling aid.					
Canadensis	8-10"	xx	.06	.05		Hill's March 1st Trade List					
Canadensis	12-18"	xx	.10	.09		A wholesale catalog with hundreds of items in sizes to suit your needs. Send to Evergreen Headquarters and get this interesting catalog.					
Canadensis albertiana	6- 8"	xx	.08½	.07½							
Canadensis albertiana	8-10"	xx	.10	.09							
Canadensis albertiana	10-12"	xx	.18	.17							
Excelsa	8-10"	o	.02½	.01½							
Excelsa	10-12"	x	.08	.07							
Excelsa	12-18"	xx	.12	.10							
Pungens	10-12"	xx	.15	.14							
Pungens kosteri	grafts		.75	...							

D. HILL NURSERY CO.

Evergreen Specialists - Largest Growers in America

DUNDEE, ILL.

BOX 402